

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004875.D
 Acq On : 22 Mar 2019 05:59
 Operator : JU/SJ
 Sample : K1817-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B112-030719

Quant Time: Mar 22 07:54:55 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	7.70	152	2032	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	9262	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	5918	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	15485	0.40	ng	0.00
27) Chrysene-d12	21.29	240	21116	0.40	ng	0.00
34) Perylene-d12	23.54	264	23516	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	2403	0.44	ng	0.00
5) Phenol-d6	6.87	99	3119	0.45	ng	0.00
8) Nitrobenzene-d5	8.87	82	2156	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	6052	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1315	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	9343	0.38	ng	0.00
25) Fluoranthene-d10	19.13	212	18731	0.36	ng	0.00
29) Terphenyl-d14	19.72	244	14721	0.34	ng	0.00

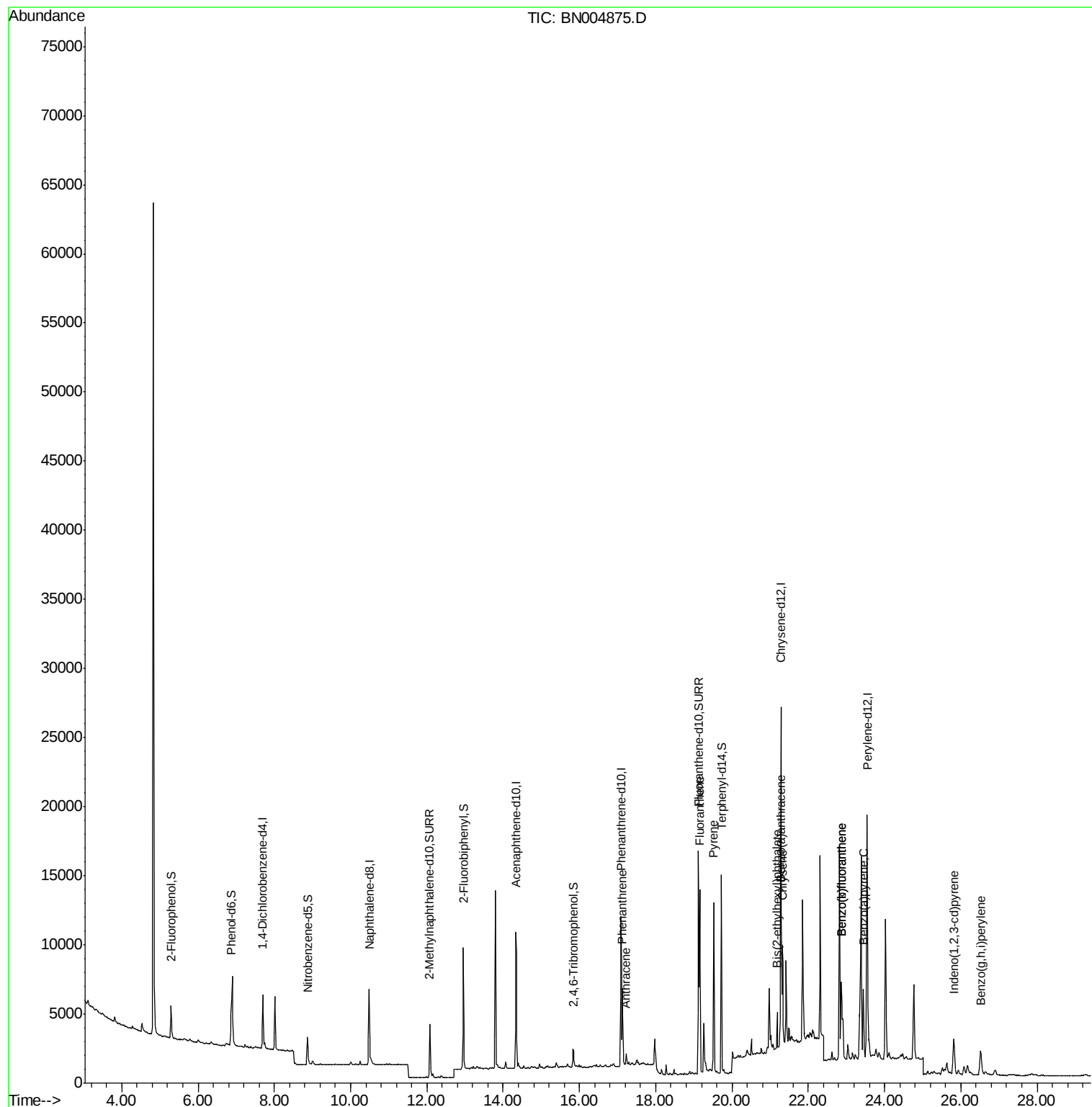
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.13	178	5903	0.118	ng	99
24) Anthracene	17.23	178	1107	0.025	ng	97
26) Fluoranthene	19.16	202	11666	0.182	ng	# 96
28) Pyrene	19.52	202	11669	0.181	ng	# 95
30) Benzo(a)anthracene	21.27	228	7552	0.109	ng	94
31) Chrysene	21.32	228	6814	0.093	ng	94
32) Bis(2-ethylhexyl)phthalate	21.18	149	2184	0.079	ng	97
33) Indeno(1,2,3-cd)pyrene	25.82	276	4208	0.040	ng	98
35) Benzo(b)fluoranthene	22.87	252	8167	0.096	ng	# 79
36) Benzo(k)fluoranthene	22.87	252	8167	0.098	ng	# 79
37) Benzo(a)pyrene	23.45	252	6797	0.087	ng	# 81
39) Benzo(a,h,i)perylene	26.52	276	4021	0.044	ng	# 88

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

ClientSampleId :

PST-027-B112-030719

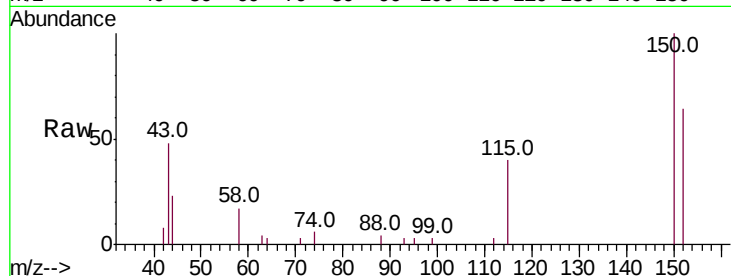
Tot Ion:152 Resp: 2032

Ion Ratio Lower Upper

152 100

150 155.8 126.2 189.4

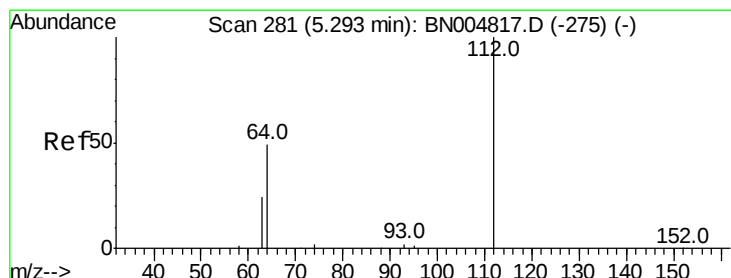
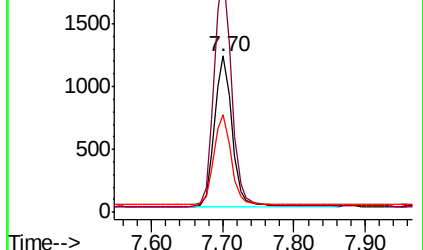
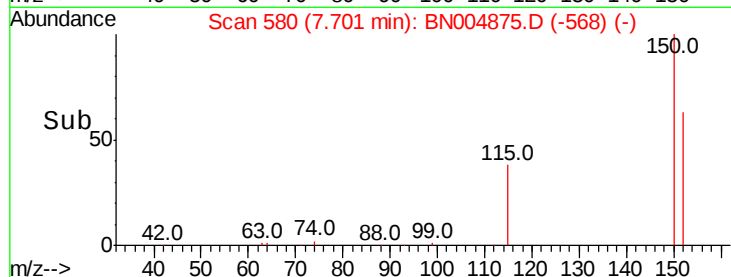
115 62.6 52.6 79.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.435 ng

RT: 5.29 min Scan# 281

Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

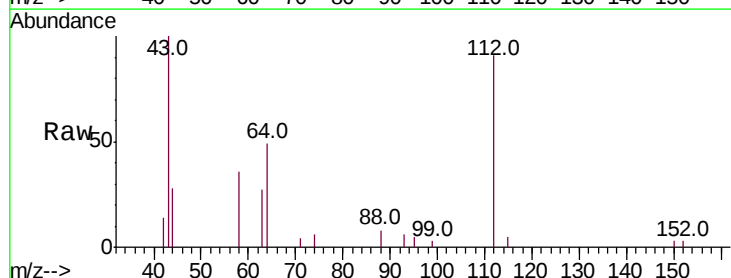
Tgt Ion:112 Resp: 2403

Ion Ratio Lower Upper

112 100

64 50.3 40.0 60.0

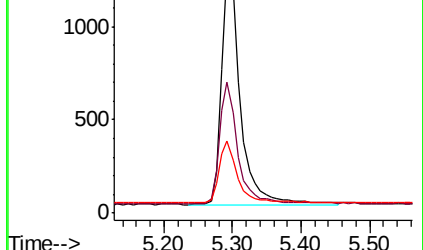
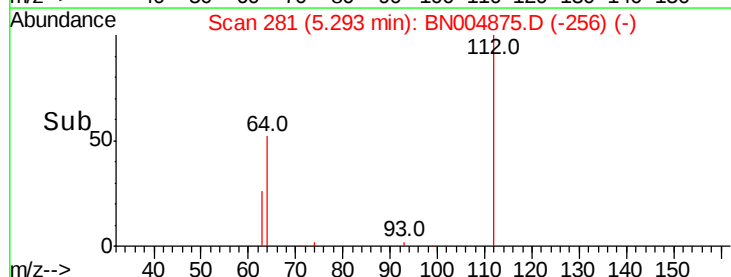
63 26.6 20.2 30.2



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: 0.454 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

ClientSampleId :

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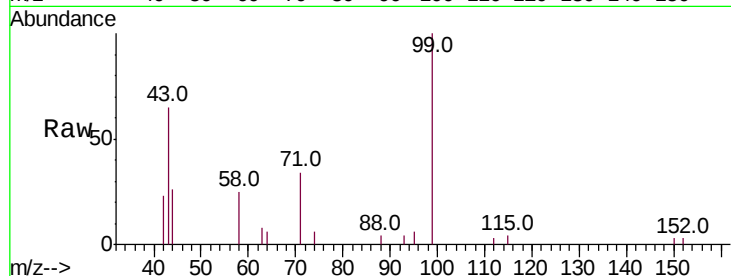
Tot Ion: 99 Resp: 3119

Ion Ratio Lower Upper

99 100

42 24.1 12.7 19.1#

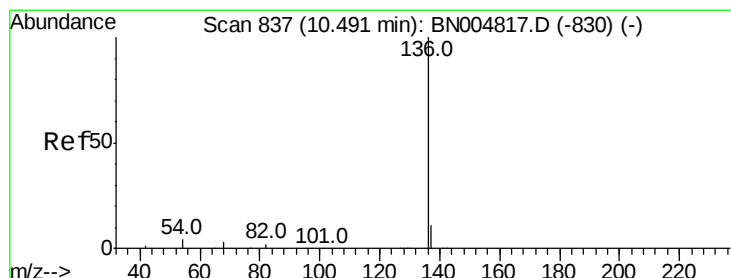
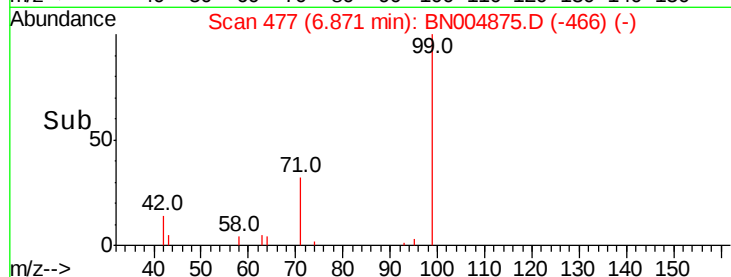
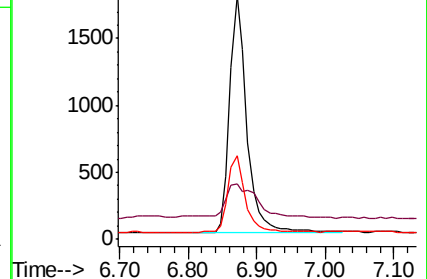
71 32.5 26.6 40.0



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: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Tgt Ion: 136 Resp: 9262

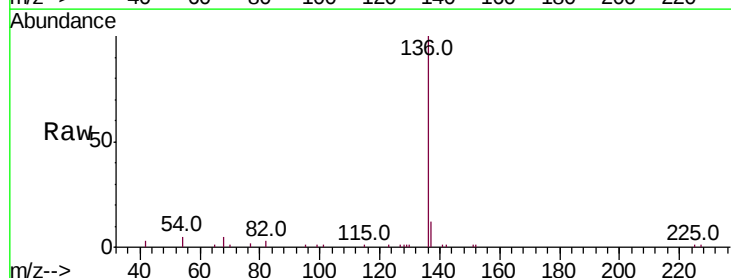
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 5.0 4.2 6.2

68 4.5 3.9 5.9

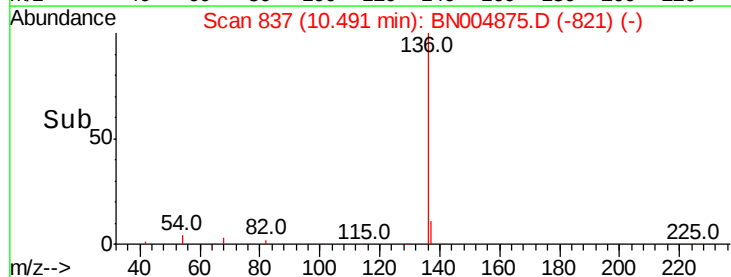
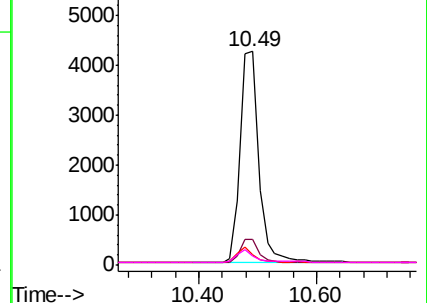


Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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: 0.352 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

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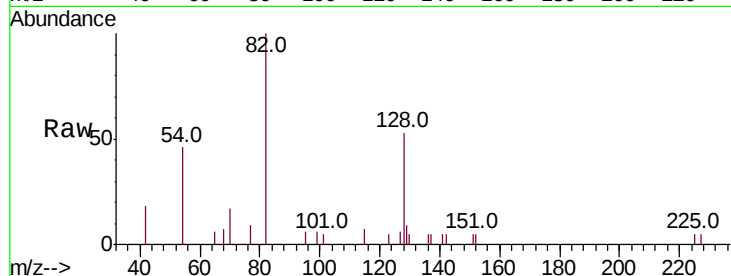
Tot Ion: 82 Resp: 2156

Ion Ratio Lower Upper

82 100

128 53.2 43.0 64.6

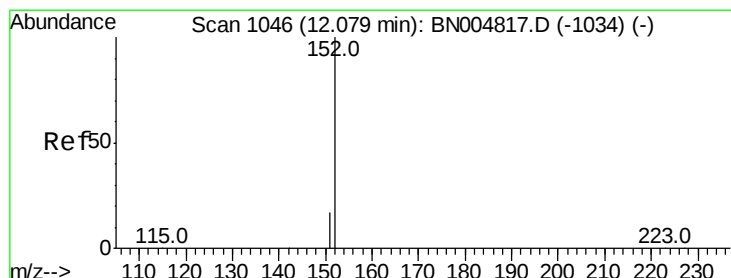
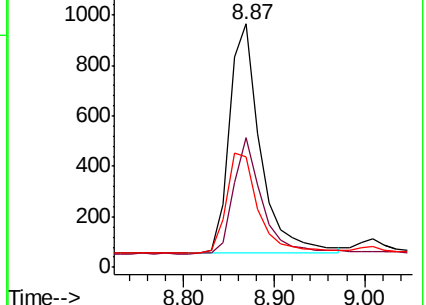
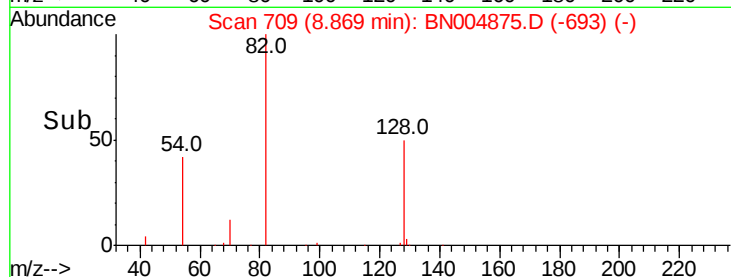
54 45.5 35.3 52.9



Abundance Ion 82.00 (81.70 to 82.70): BN004875.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004875.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004875.D (-693) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

RT: 12.08 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BN004875.D

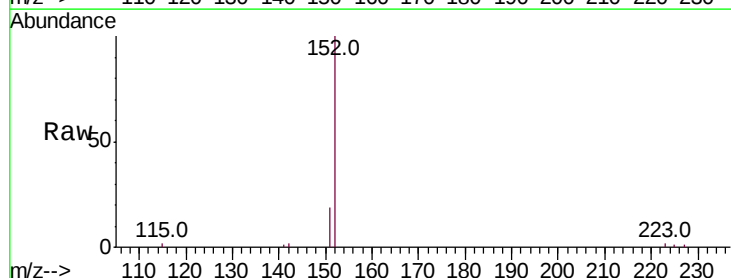
Acq: 22 Mar 2019 05:59

Tgt Ion: 152 Resp: 6052

Ion Ratio Lower Upper

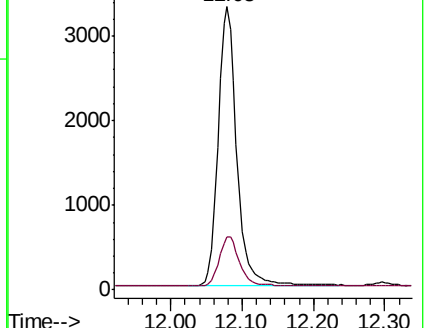
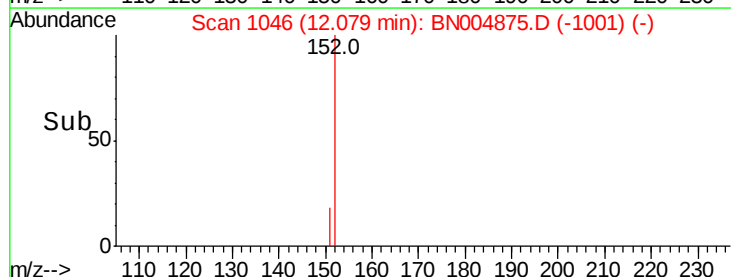
152 100

151 19.2 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004875.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004875.D (-1001) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

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PST-027-B112-030719

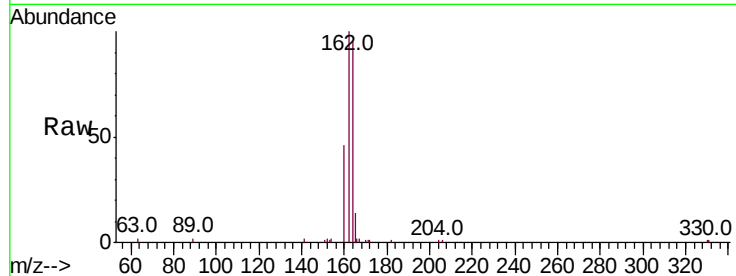
Tot Ion:164 Resp: 5918

Ion Ratio Lower Upper

164 100

162 105.5 81.9 122.9

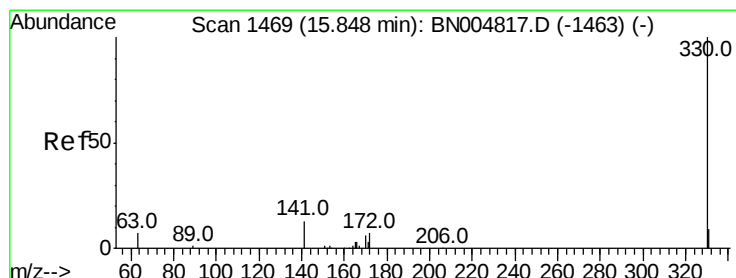
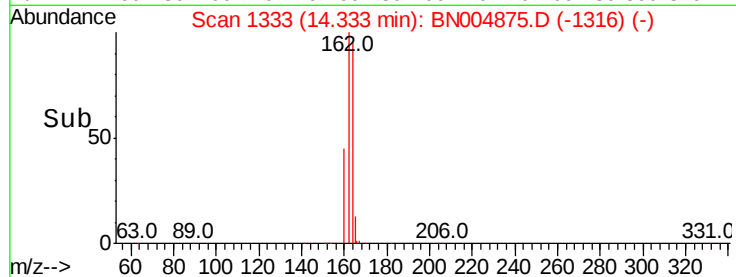
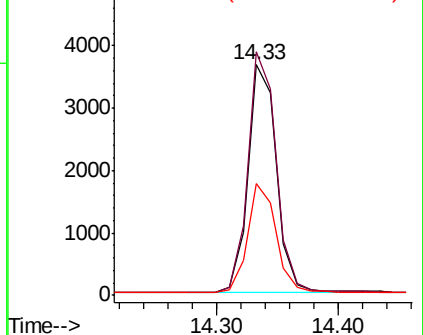
160 48.5 36.6 54.8



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: 0.322 ng

RT: 15.85 min Scan# 1469

Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

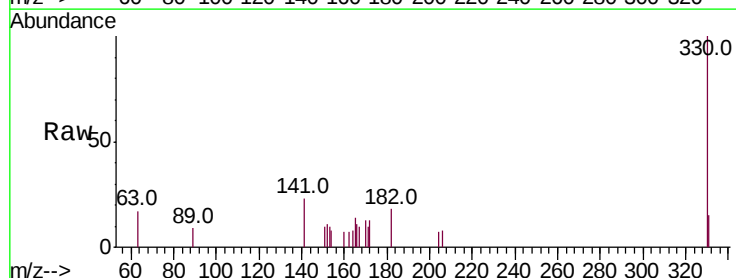
Tgt Ion:330 Resp: 1315

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

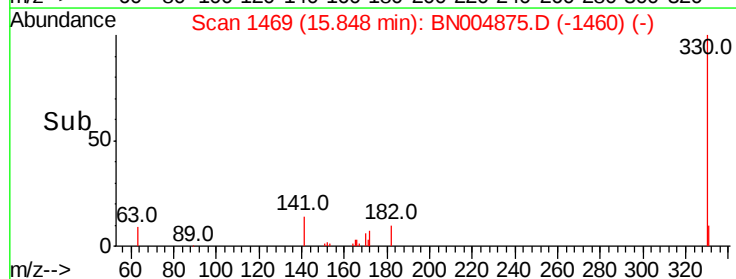
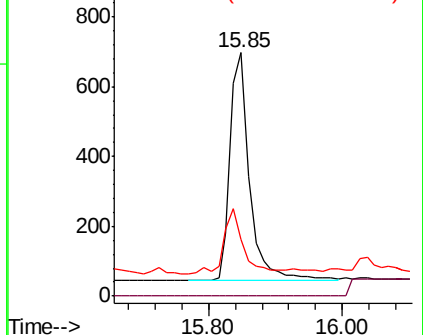
141 31.4 20.9 31.3#



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

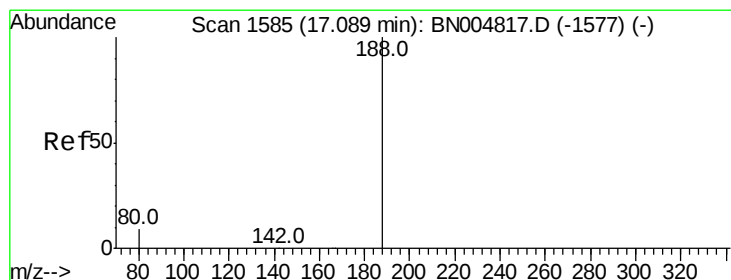
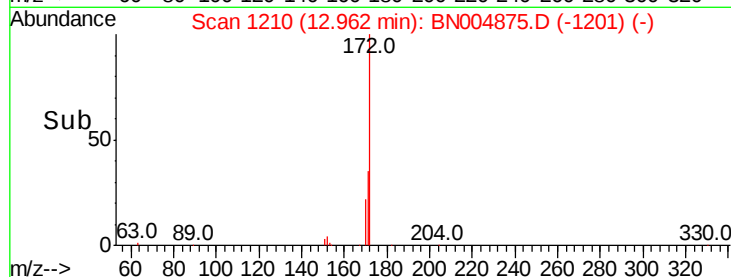
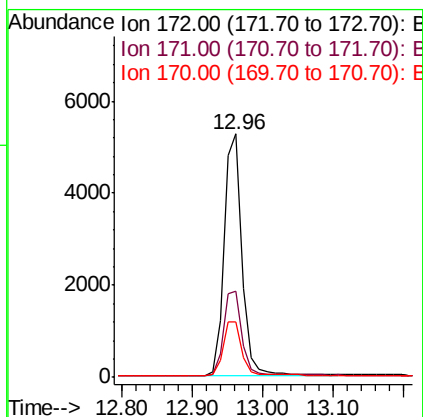
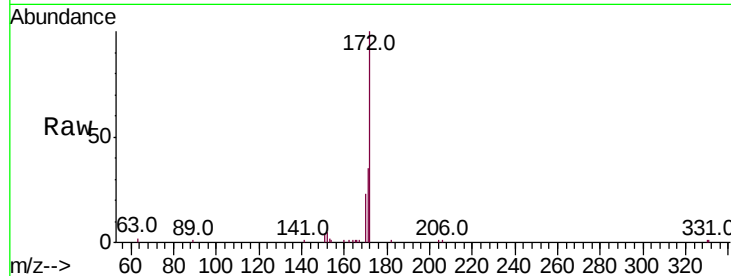




#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 12.96 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

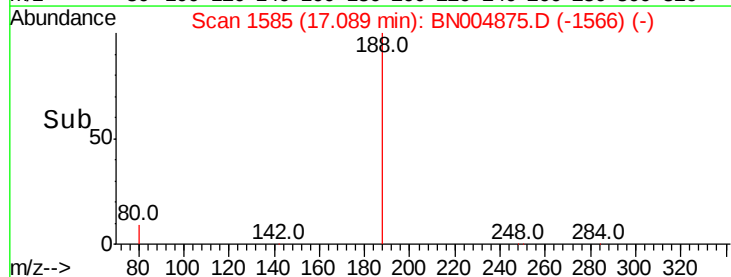
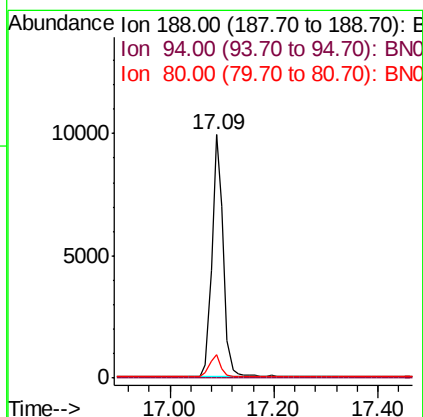
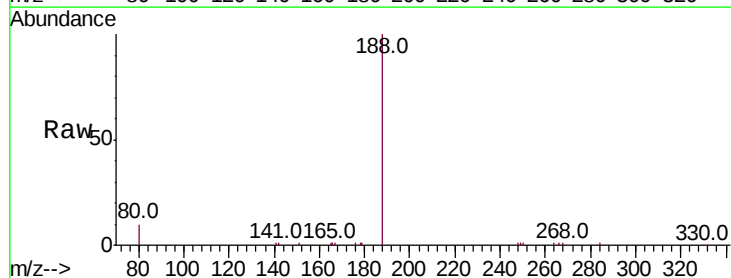
Instrument :
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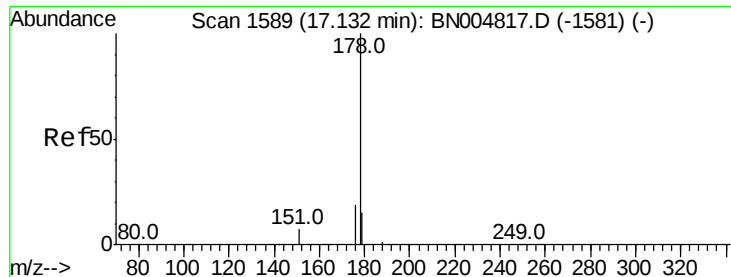
Tot Ion:172 Resp: 9343
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 22.7 18.7 28.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

Tgt Ion:188 Resp: 15485
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.6 7.4 11.2





#23

Phenanthrene

Concen: 0.118 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

ClientSampleId :

PST-027-B112-030719

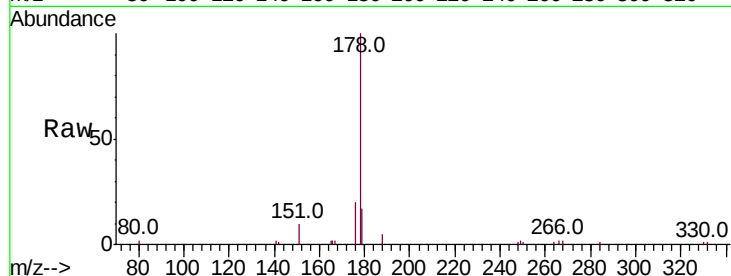
Tot Ion:178 Resp: 5903

Ion Ratio Lower Upper

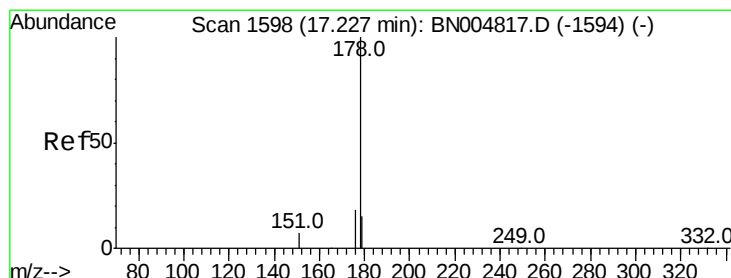
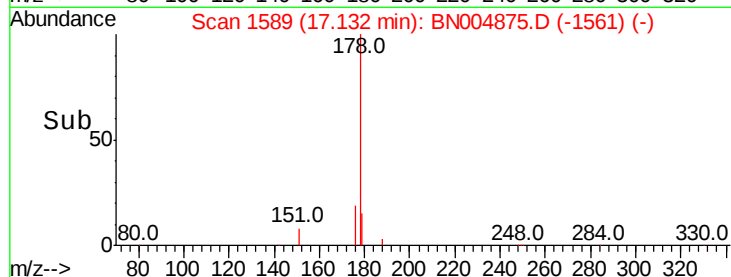
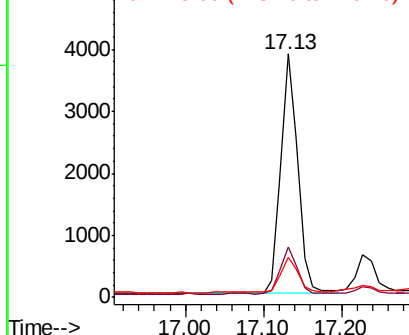
178 100

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: 0.025 ng

RT: 17.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

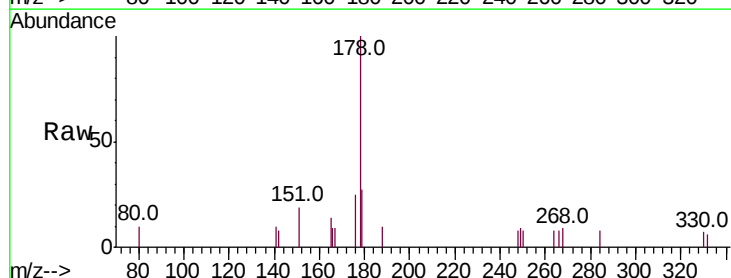
Tgt Ion:178 Resp: 1107

Ion Ratio Lower Upper

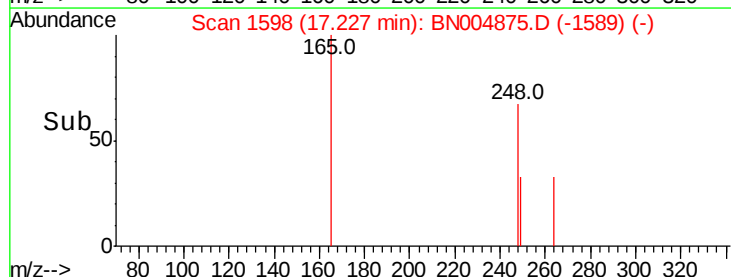
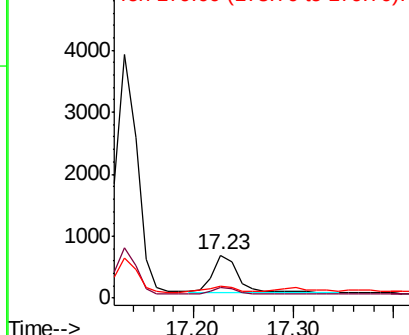
178 100

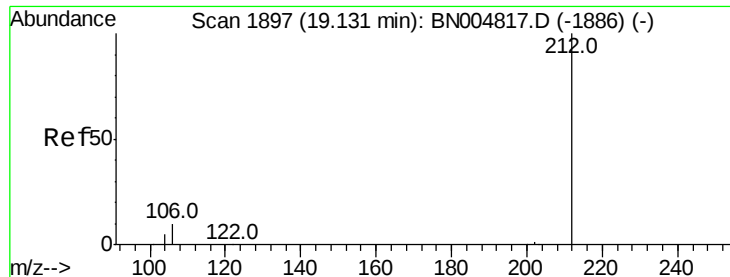
176 16.4 14.5 21.7

179 16.3 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: 0.361 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

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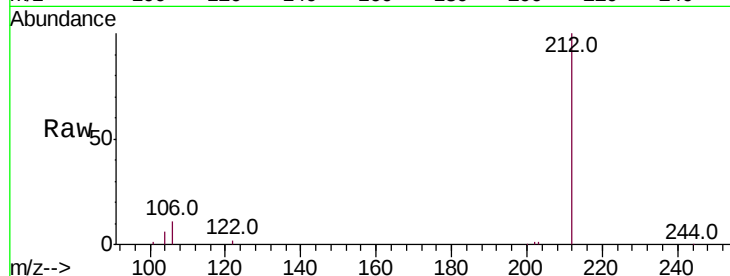
Tot Ion:212 Resp: 18731

Ion Ratio Lower Upper

212 100

106 11.7 8.6 13.0

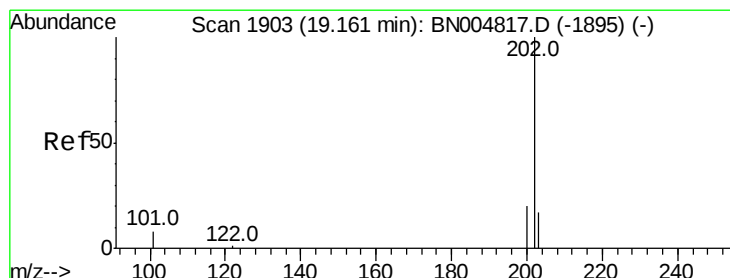
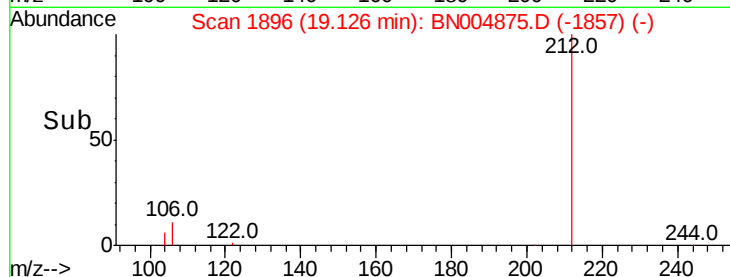
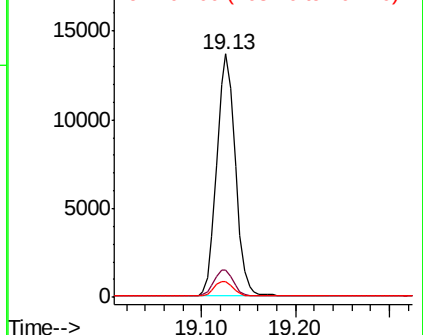
104 6.4 4.7 7.1



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: 0.182 ng

RT: 19.16 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

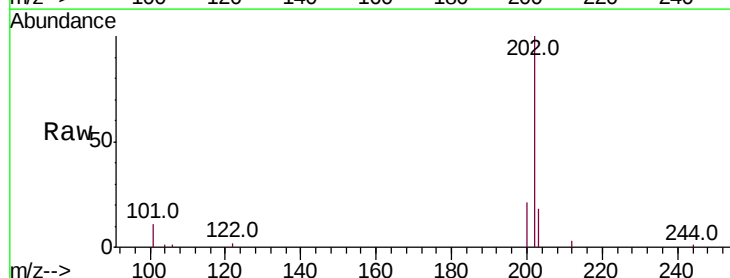
Tgt Ion:202 Resp: 11666

Ion Ratio Lower Upper

202 100

101 12.0 7.5 11.3#

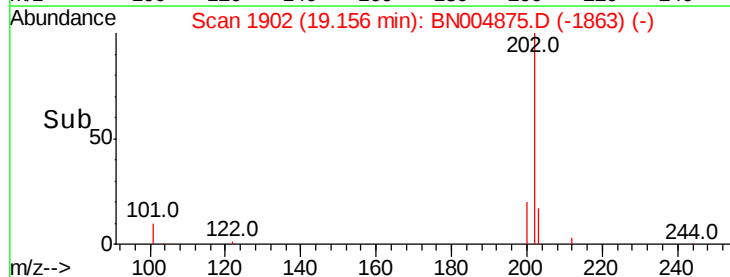
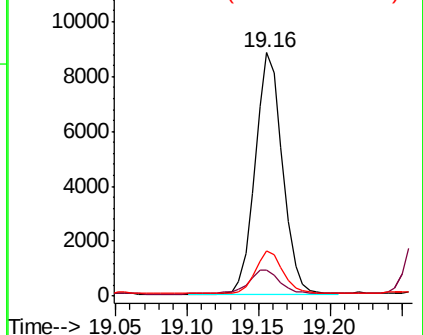
203 17.9 13.8 20.6

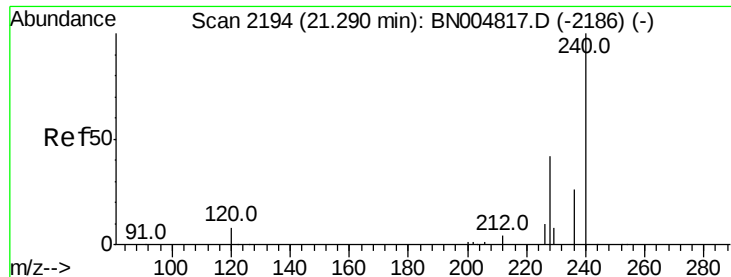


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.29 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

ClientSampleId :

PST-027-B112-030719

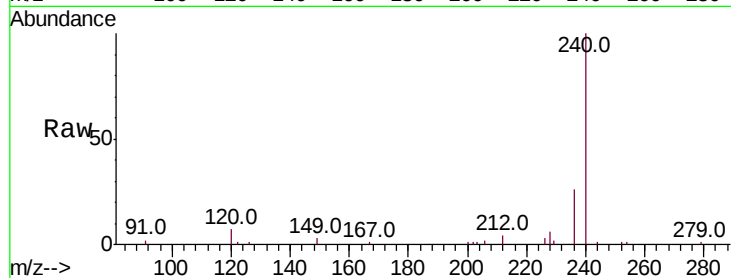
Tot Ion:240 Resp: 21116

Ion Ratio Lower Upper

240 100

120 6.7 7.2 10.8#

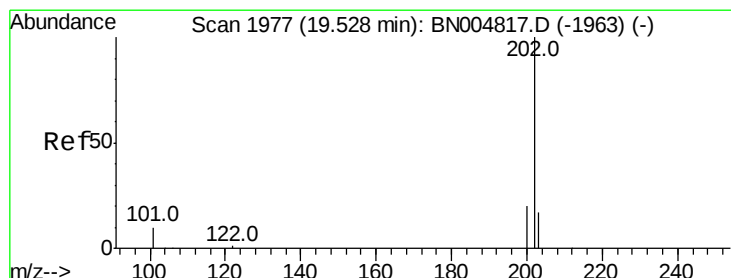
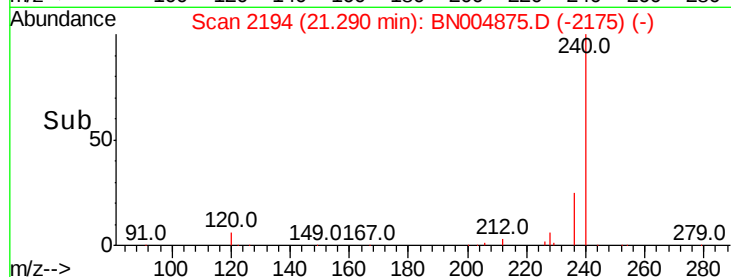
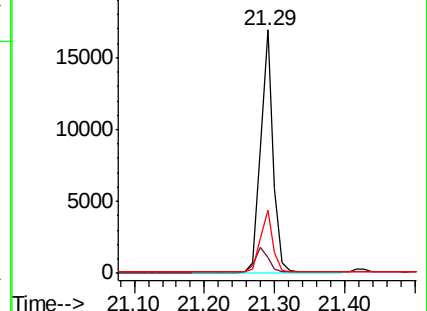
236 25.8 20.9 31.3



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: 0.181 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

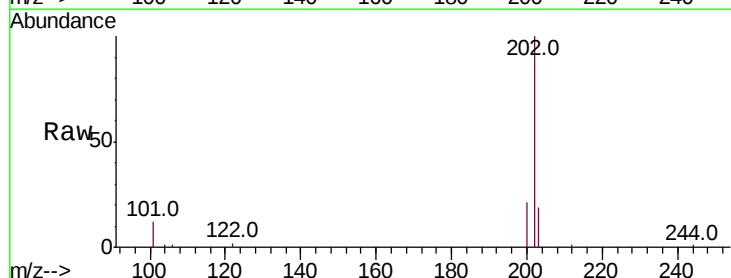
Tgt Ion:202 Resp: 11669

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

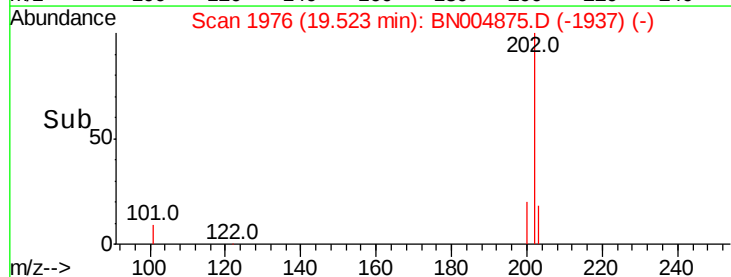
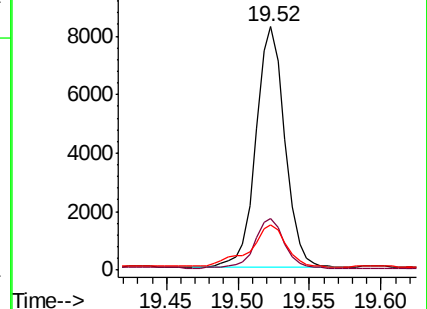
203 21.7 14.0 21.0#

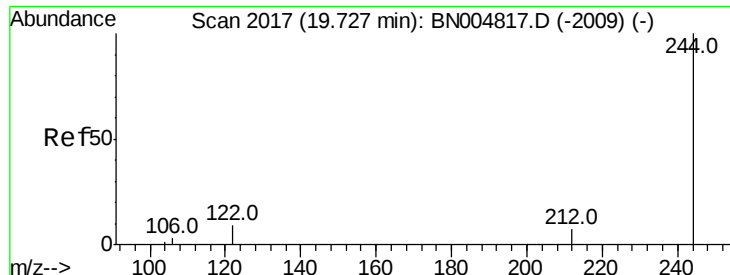


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.341 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

ClientSampleId :

PST-027-B112-030719

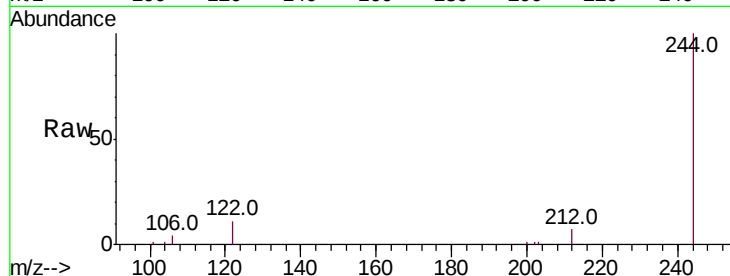
Tot Ion:244 Resp: 14721

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

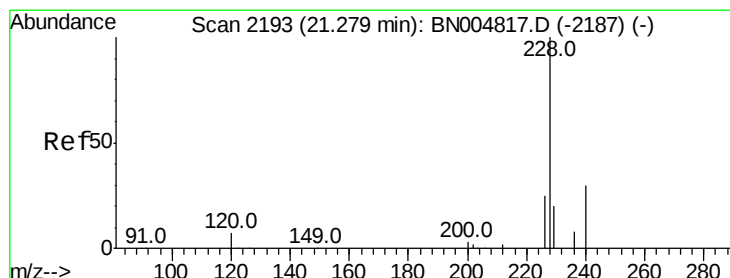
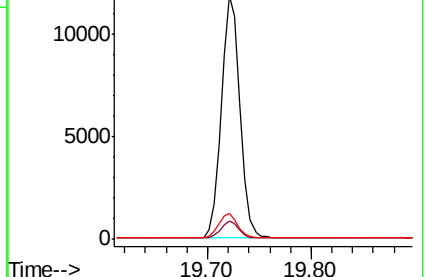
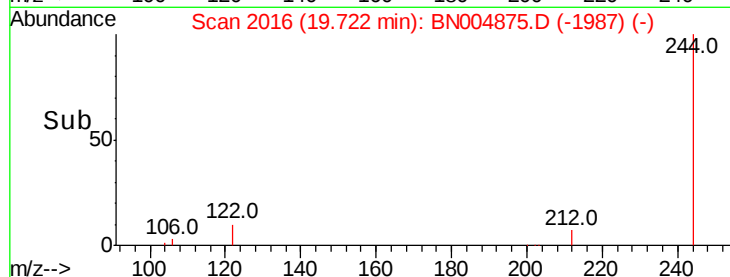
122 10.7 7.9 11.9



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: 0.109 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

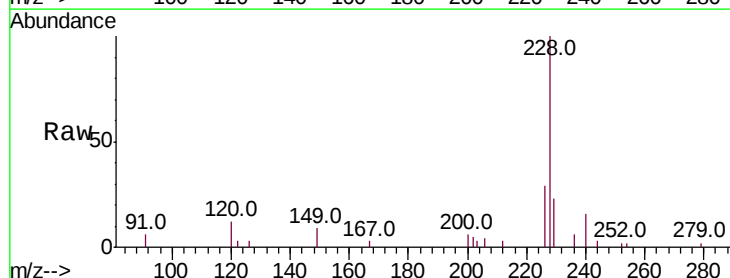
Tgt Ion:228 Resp: 7552

Ion Ratio Lower Upper

228 100

226 28.8 20.6 31.0

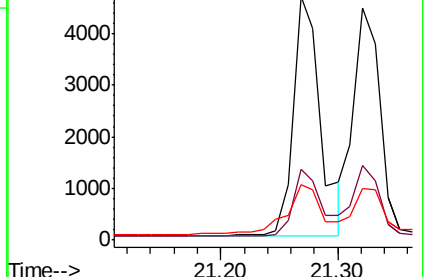
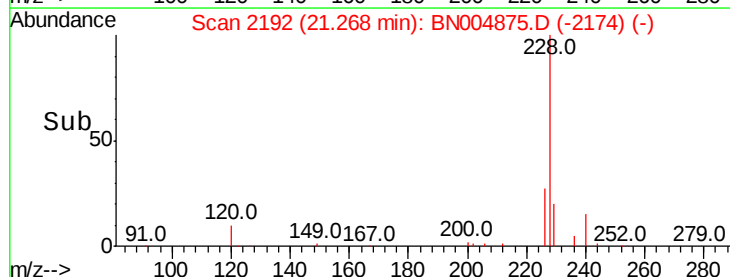
229 22.7 16.2 24.4

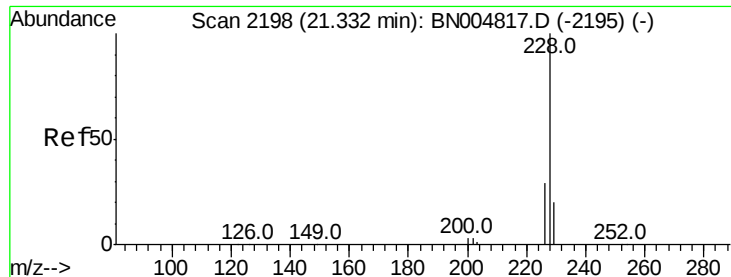


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.093 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

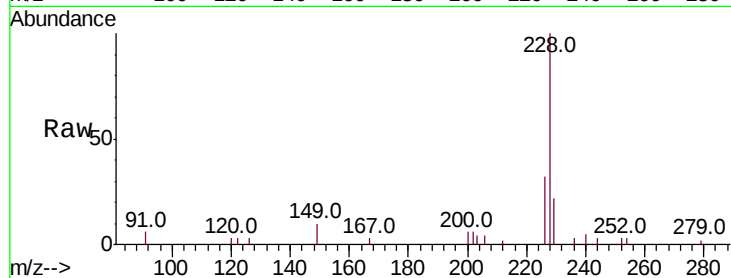
BNA_N

ClientSampleId :

PST-027-B112-030719

Tot Ion:228 Resp: 6814

Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.0	34.6
229	22.1	16.2	24.2

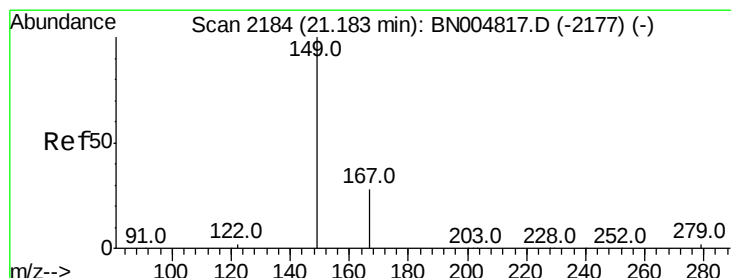
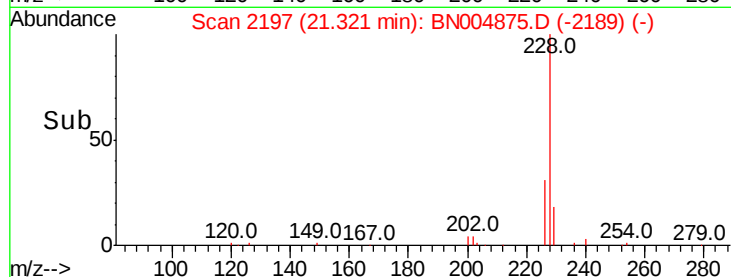
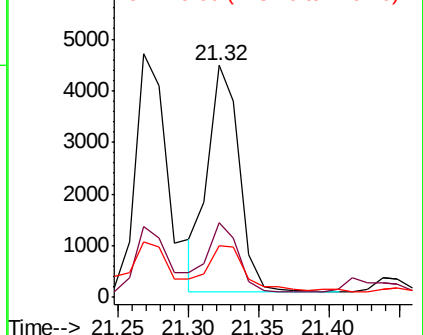


Abundance

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: 0.079 ng

RT: 21.18 min Scan# 2184

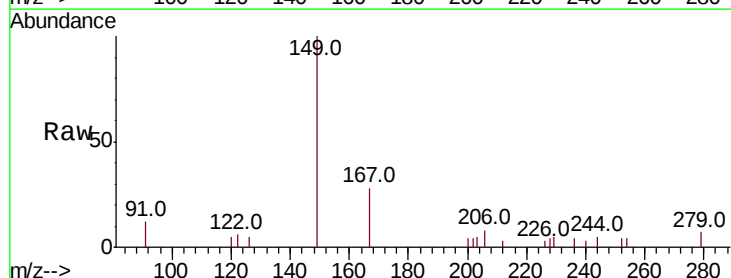
Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Tgt Ion:149 Resp: 2184

Ion	Ratio	Lower	Upper
149	100		
167	27.2	23.0	34.4
279	6.2	4.6	6.8

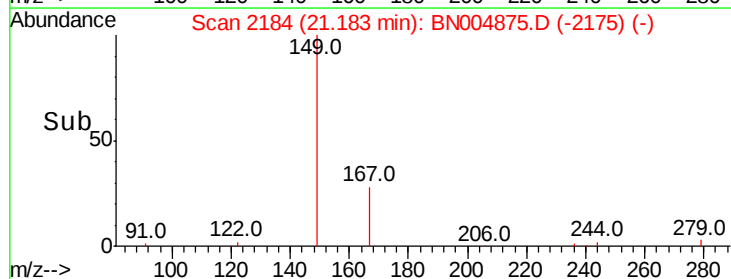
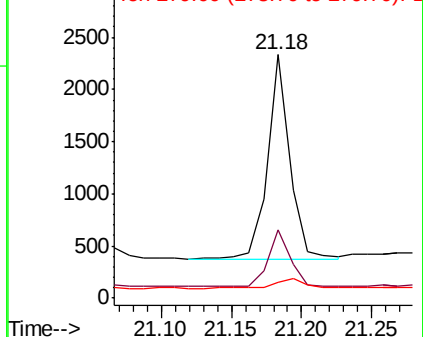


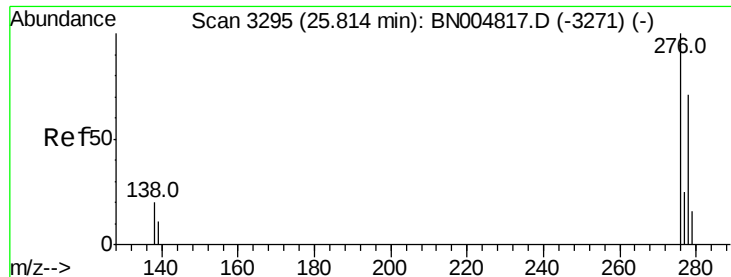
Abundance

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: 0.040 ng

RT: 25.82 min Scan# 3297

Delta R.T. 0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

ClientSampleId :

PST-027-B112-030719

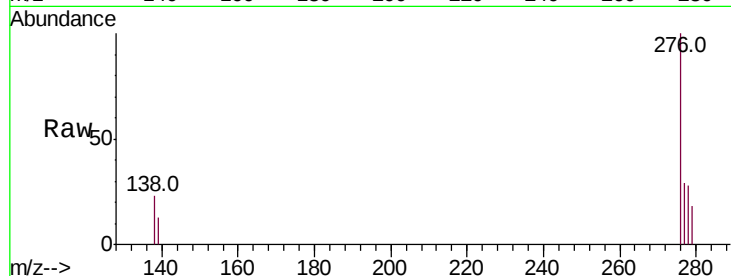
Tot Ion:276 Resp: 4208

Ion Ratio Lower Upper

276 100

138 19.4 16.6 24.8

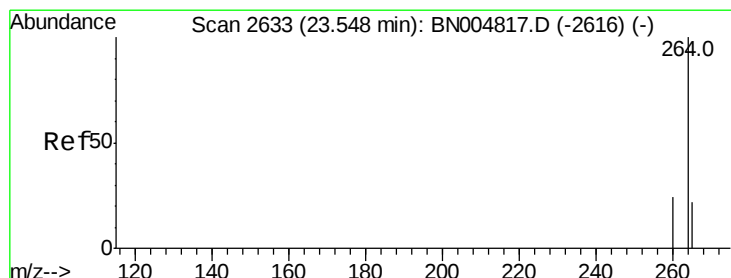
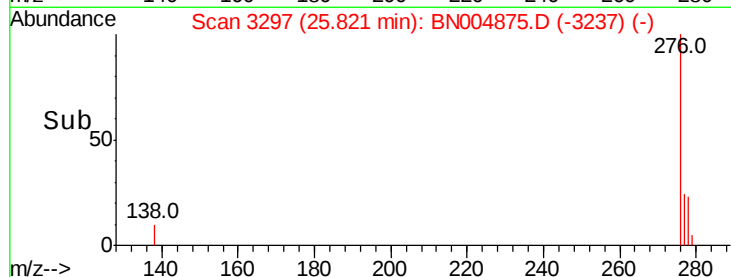
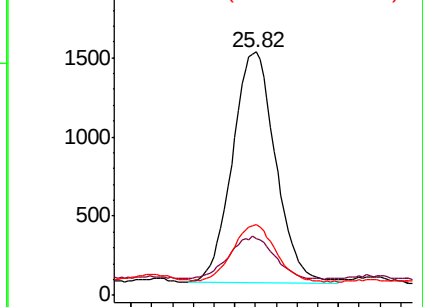
277 25.0 20.3 30.5



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# 2631

Delta R.T. -0.01 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

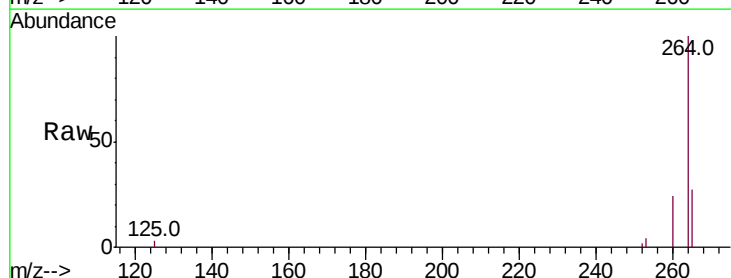
Tgt Ion:264 Resp: 23516

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

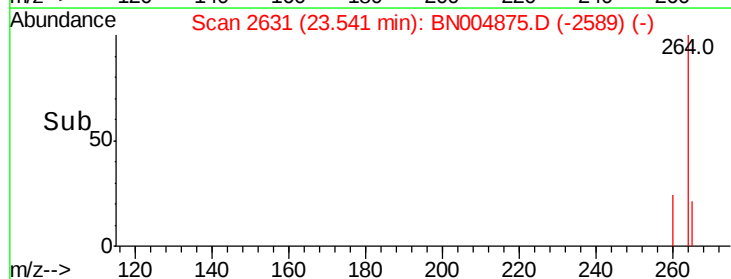
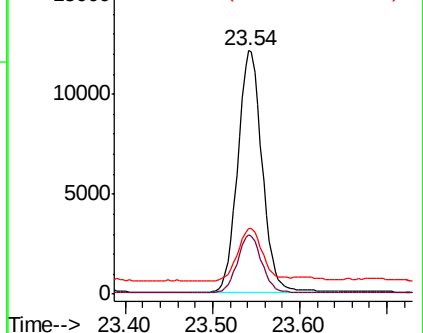
265 26.8 23.1 34.7

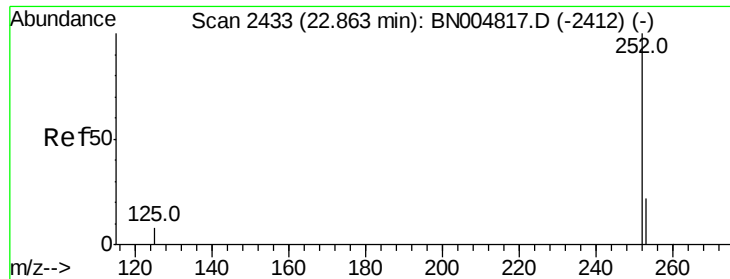


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

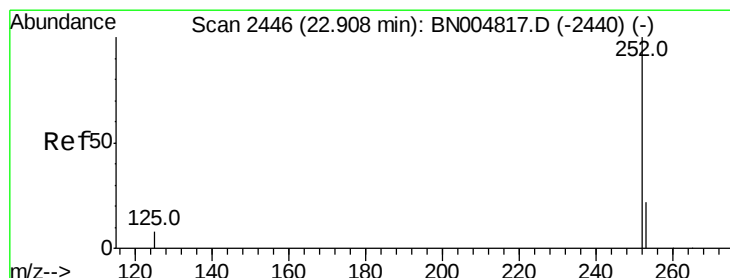
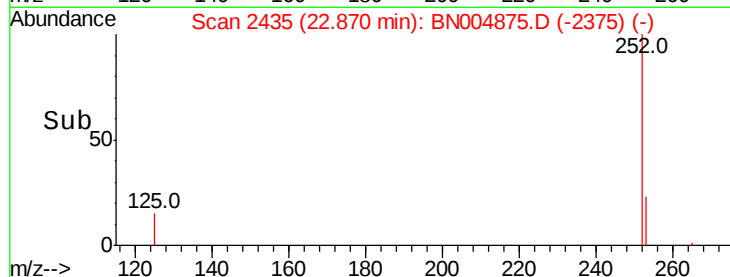
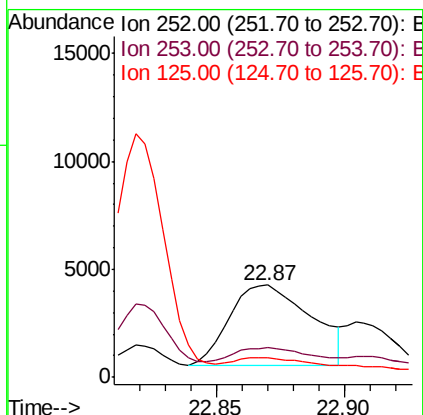
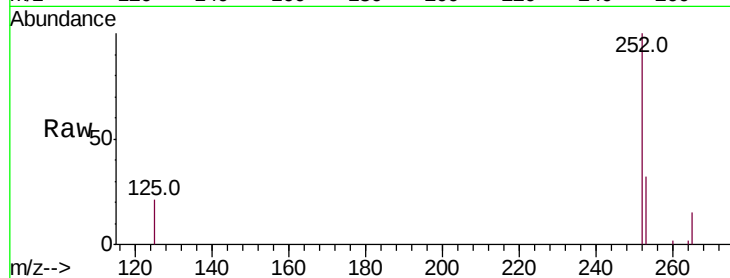




#35
Benzo(b)fluoranthene
Concen: 0.096 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

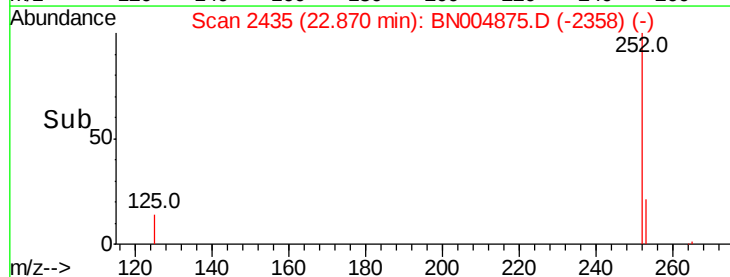
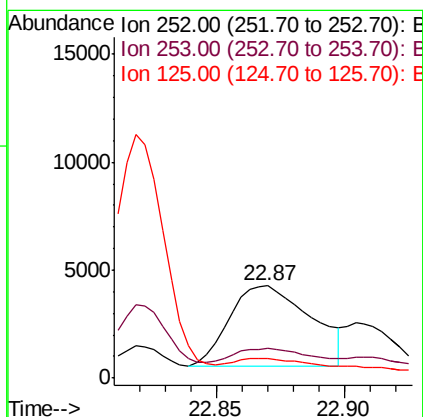
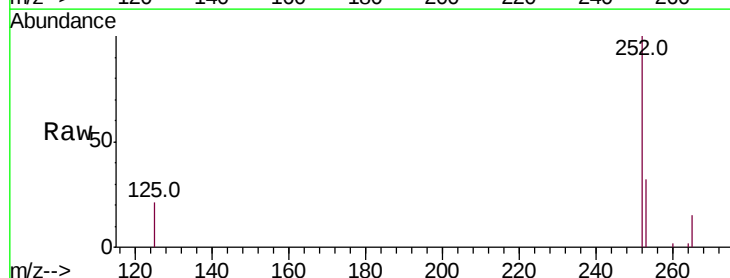
Instrument :
BNA_N
ClientSampleId :
PST-027-B112-030719

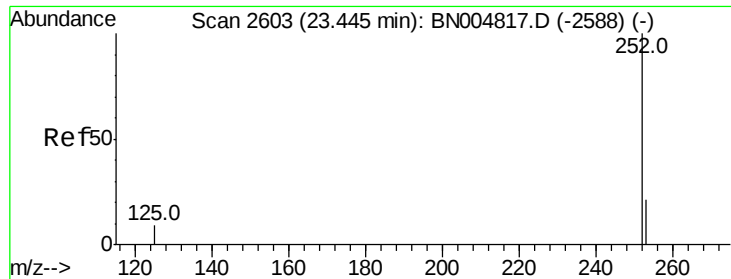
Tot Ion:252 Resp: 8167
Ion Ratio Lower Upper
252 100
253 32.1 19.0 28.4#
125 20.9 7.4 11.2#



#36
Benzo(k)fluoranthene
Concen: 0.098 ng
RT: 22.87 min Scan# 2435
Delta R.T. -0.04 min
Lab File: BN004875.D
Acq: 22 Mar 2019 05:59

Tgt Ion:252 Resp: 8167
Ion Ratio Lower Upper
252 100
253 32.1 19.3 28.9#
125 20.9 7.4 11.0#





#37

Benzo(a)pyrene

Concen: 0.087 ng

RT: 23.45 min Scan# 2603

Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

Instrument :

BNA_N

ClientSampleId :

PST-027-B112-030719

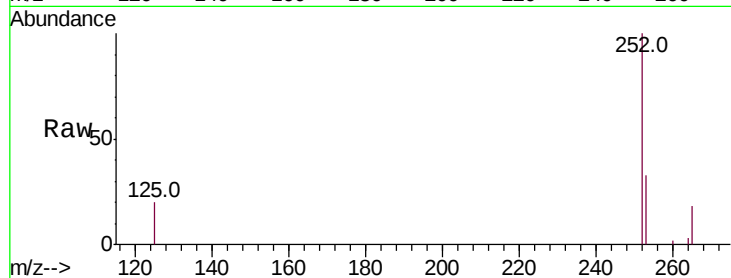
Tot Ion:252 Resp: 6797

Ion Ratio Lower Upper

252 100

253 32.9 19.7 29.5#

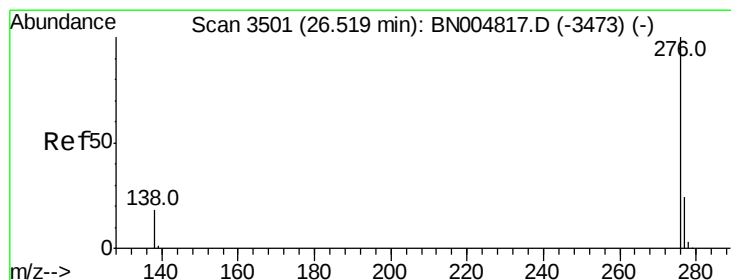
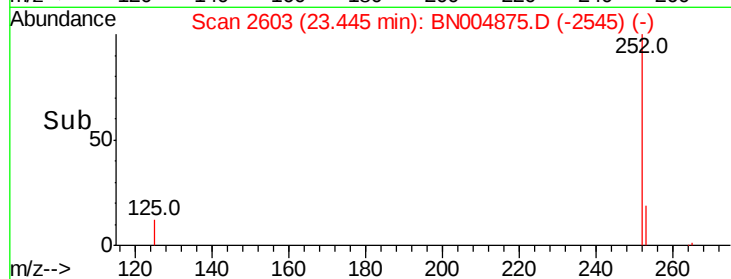
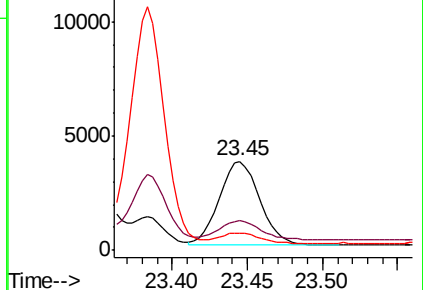
125 19.7 8.3 12.5#



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



#39

Benzo(g,h,i)perylene

Concen: 0.044 ng

RT: 26.52 min Scan# 3502

Delta R.T. 0.00 min

Lab File: BN004875.D

Acq: 22 Mar 2019 05:59

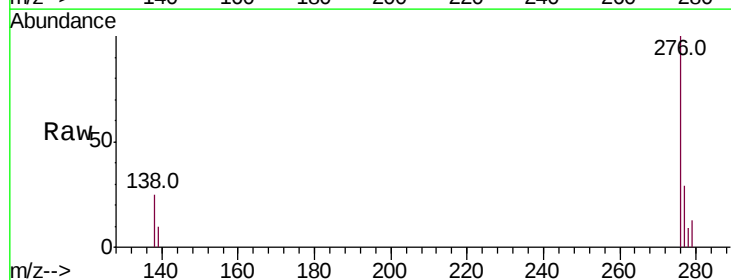
Tgt Ion:276 Resp: 4021

Ion Ratio Lower Upper

276 100

277 29.3 19.7 29.5

138 25.0 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

