

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004871.D
 Acq On : 22 Mar 2019 03:38
 Operator : JU/SJ
 Sample : K2013-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B027-031819

Quant Time: Mar 22 04:52:16 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	1854	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	8573	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	5490	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	14340	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19437	0.40	ng	0.00
34) Perylene-d12	23.54	264	20884	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	2044	0.41	ng	0.00
5) Phenol-d6	6.87	99	2740	0.44	ng	0.00
8) Nitrobenzene-d5	8.87	82	1821	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4859	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1781	0.47	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	7745	0.34	ng	0.00
25) Fluoranthene-d10	19.13	212	14147	0.29	ng	0.00
29) Terphenyl-d14	19.72	244	14410	0.36	ng	0.00

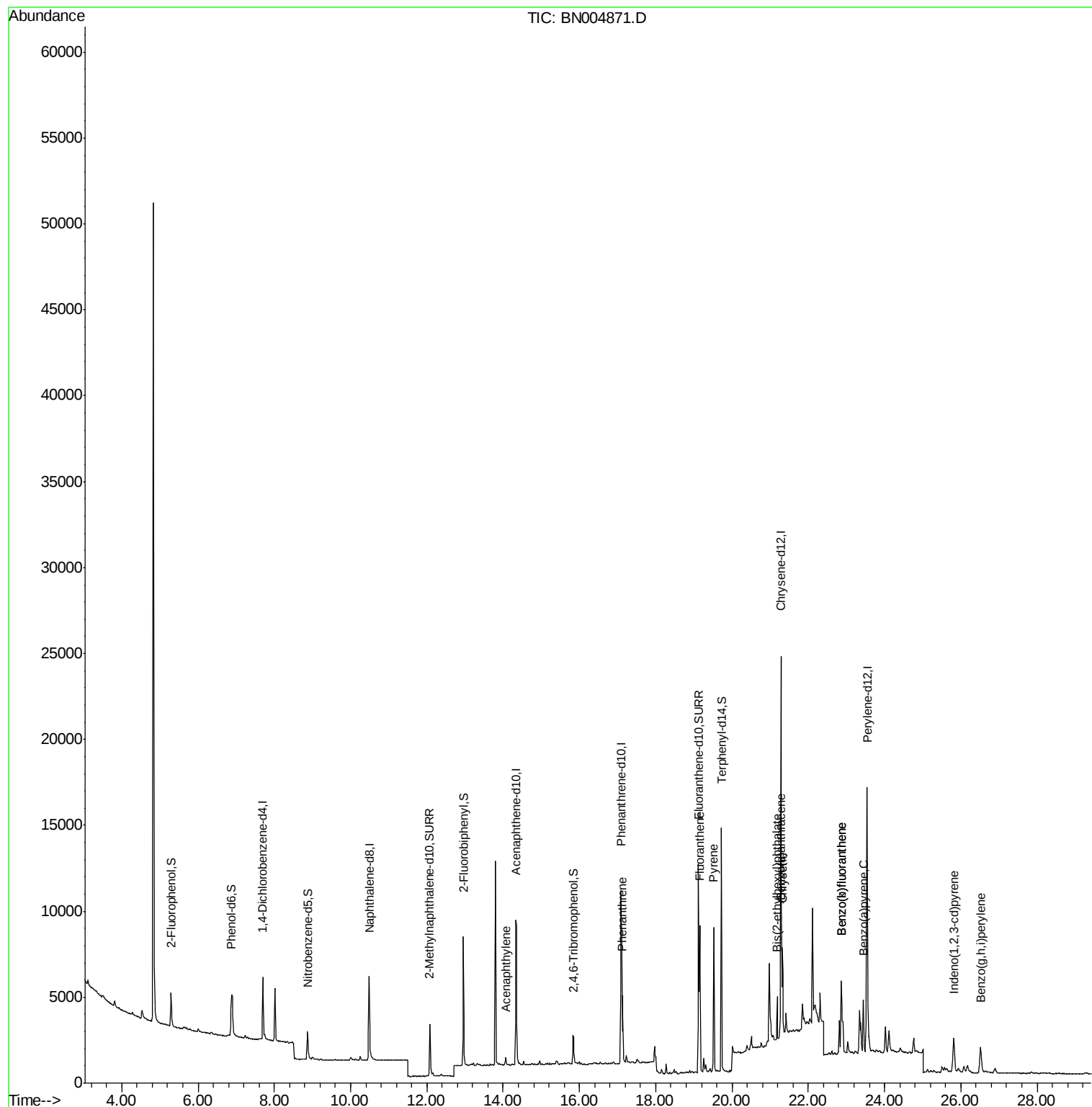
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	14.07	152	602	0.021	ng	96
23) Phenanthrene	17.13	178	4080	0.088	ng	99
26) Fluoranthene	19.16	202	7688	0.129	ng	98
28) Pyrene	19.52	202	8094	0.137	ng	97
30) Benzo(a)anthracene	21.27	228	3937	0.062	ng	# 91
31) Chrysene	21.32	228	5113	0.076	ng	94
32) Bis(2-ethylhexyl)phthalate	21.18	149	2076	0.082	ng	98
33) Indeno(1,2,3-cd)pyrene	25.82	276	3128	0.032	ng	96
35) Benzo(b)fluoranthene	22.87	252	6170	0.082	ng	# 64
36) Benzo(k)fluoranthene	22.87	252	6170	0.083	ng	# 65
37) Benzo(a)pyrene	23.44	252	4282	0.062	ng	# 71
39) Benzo(a,h,i)perylene	26.52	276	3245	0.040	ng	# 84

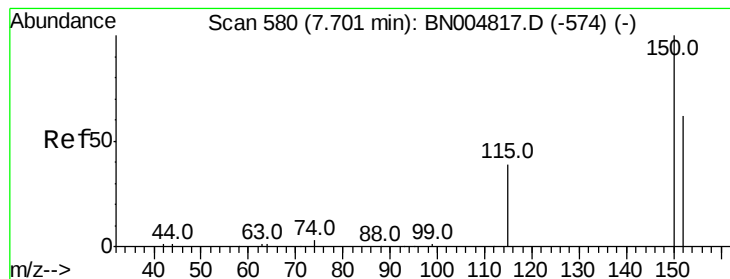
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN004871.D

Acq: 22 Mar 2019 03:38

Instrument :

BNA_N

ClientSampleId :

PST-026-B027-031819

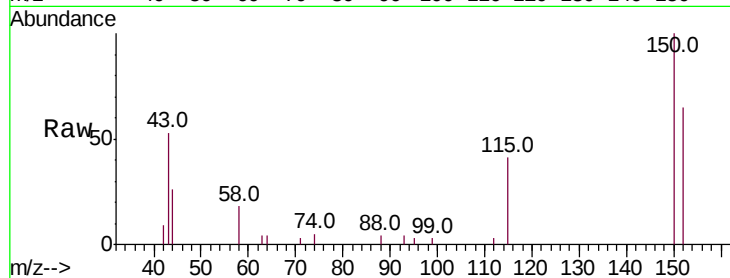
Tot Ion:152 Resp: 1854

Ion Ratio Lower Upper

152 100

150 153.7 126.2 189.4

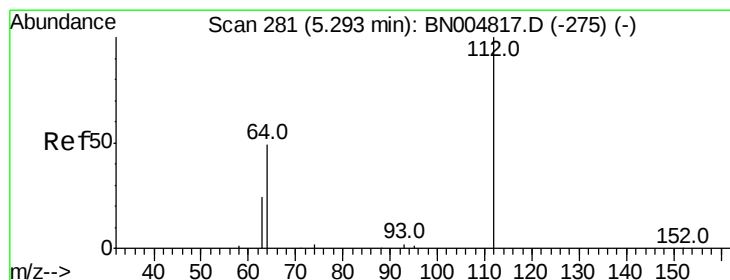
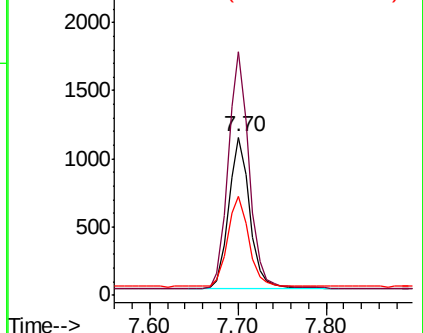
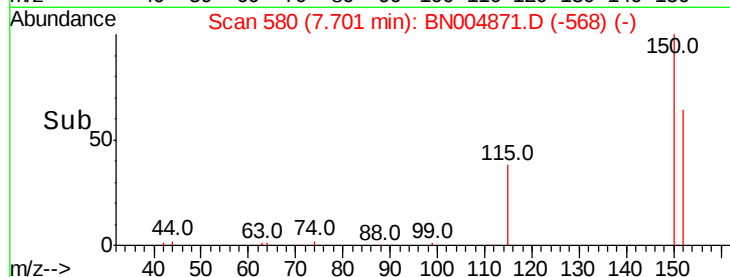
115 62.5 52.6 79.0



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



#4

2-Fluorophenol

Concen: 0.406 ng

RT: 5.29 min Scan# 281

Delta R.T. -0.00 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

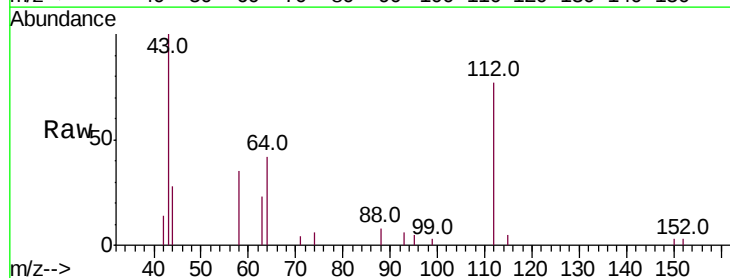
Tgt Ion:112 Resp: 2044

Ion Ratio Lower Upper

112 100

64 51.1 40.0 60.0

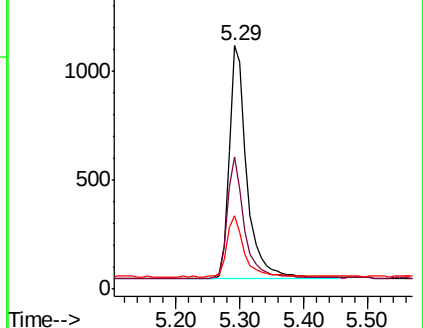
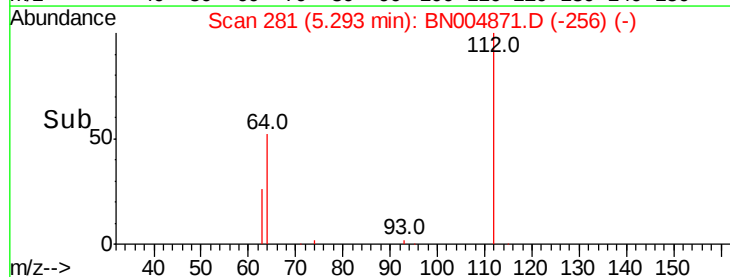
63 25.4 20.2 30.2

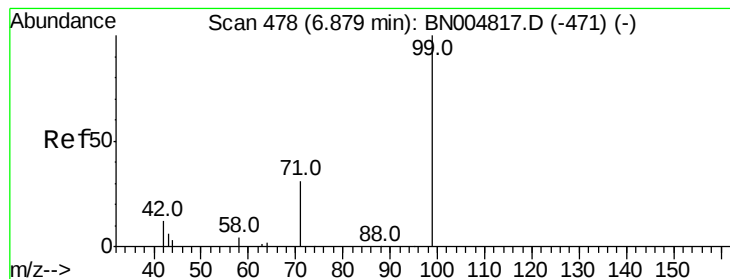


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.437 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

Instrument :

BNA_N

ClientSampleId :

PST-026-B027-031819

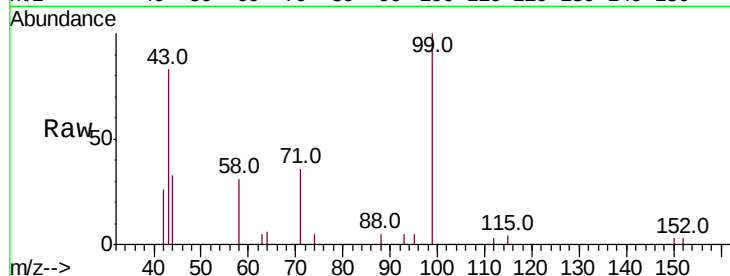
Tot Ion: 99 Resp: 2740

Ion Ratio Lower Upper

99 100

42 18.1 12.7 19.1

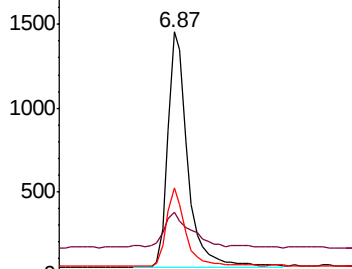
71 32.0 26.6 40.0



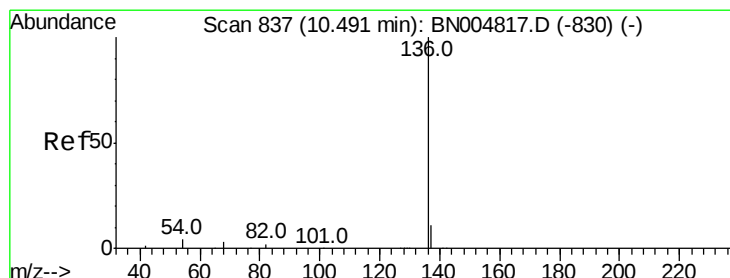
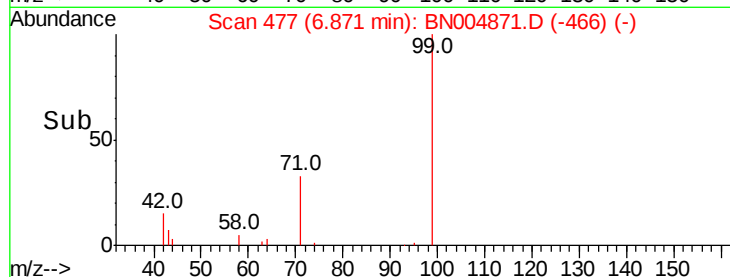
Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

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

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



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

Tgt Ion:136 Resp: 8573

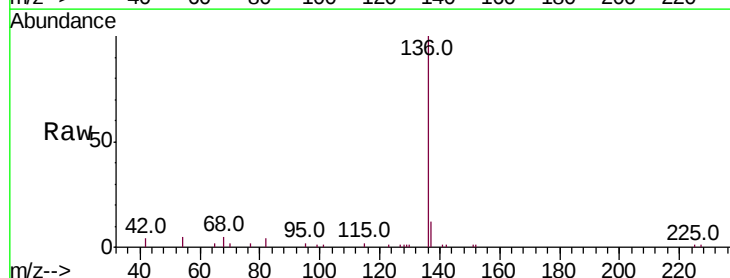
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 5.2 4.2 6.2

68 4.6 3.9 5.9

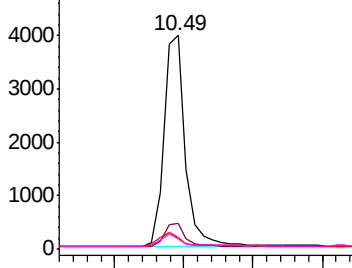


Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

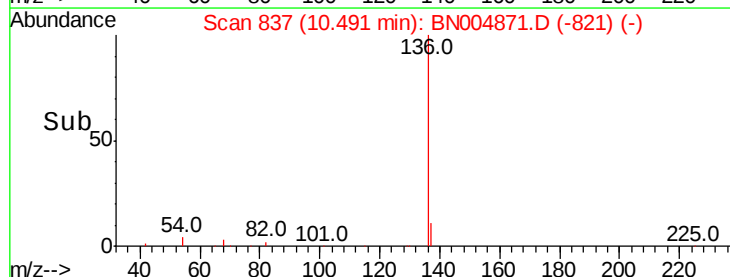
Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)



Time-->





#8

Nitrobenzene-d5

Concen: 0.321 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

Instrument :

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PST-026-B027-031819

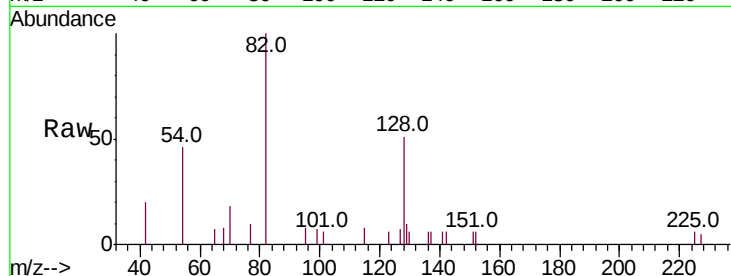
Tot Ion: 82 Resp: 1821

Ion Ratio Lower Upper

82 100

128 51.5 43.0 64.6

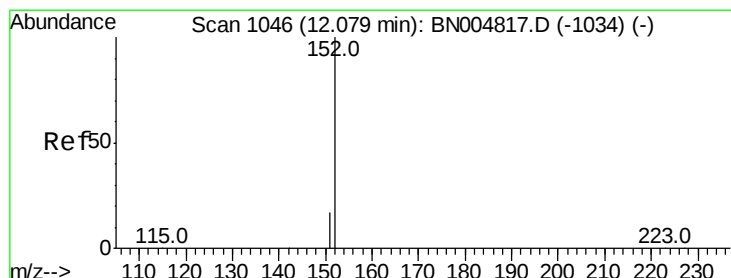
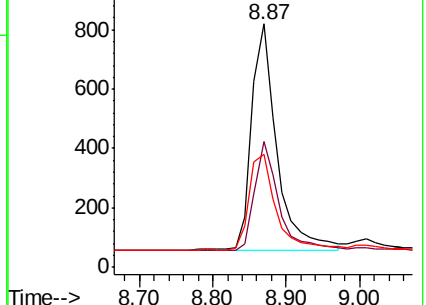
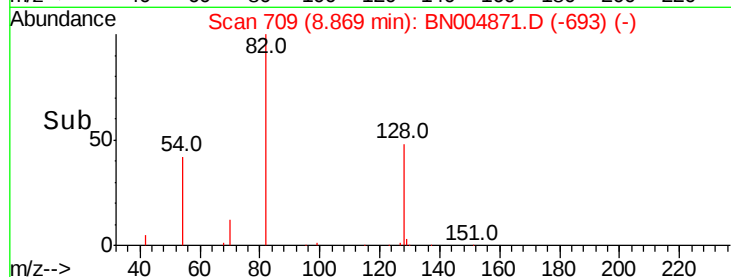
54 46.3 35.3 52.9



Abundance Ion 82.00 (81.70 to 82.70): BN004871.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN004871.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004871.D (-704) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.325 ng

RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004871.D

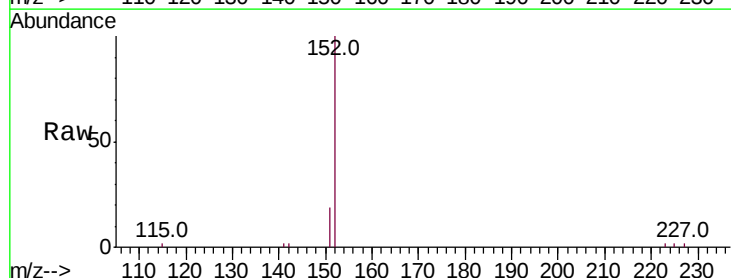
Acq: 22 Mar 2019 03:38

Tgt Ion: 152 Resp: 4859

Ion Ratio Lower Upper

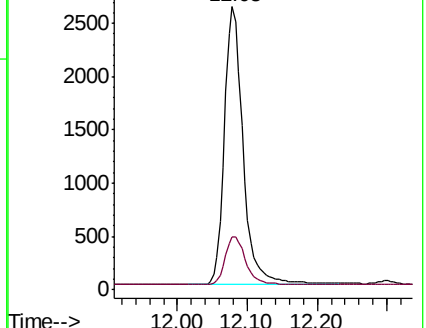
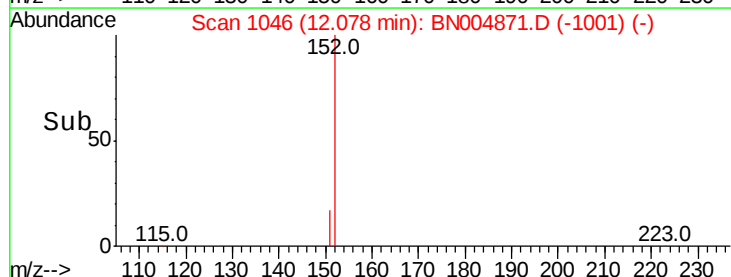
152 100

151 19.1 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004871.D (-1034) (-)

Ion 151.00 (150.70 to 151.70): BN004871.D (-1034) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

Instrument :

BNA_N

ClientSampleId :

PST-026-B027-031819

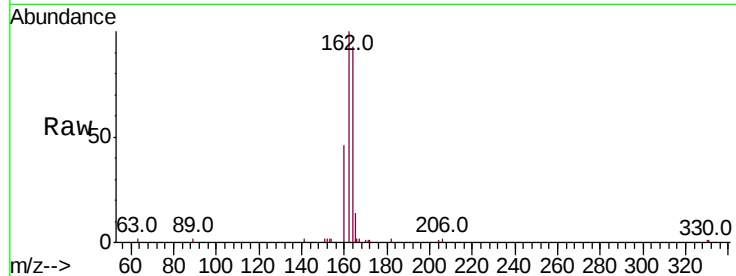
Tot Ion:164 Resp: 5490

Ion Ratio Lower Upper

164 100

162 107.0 81.9 122.9

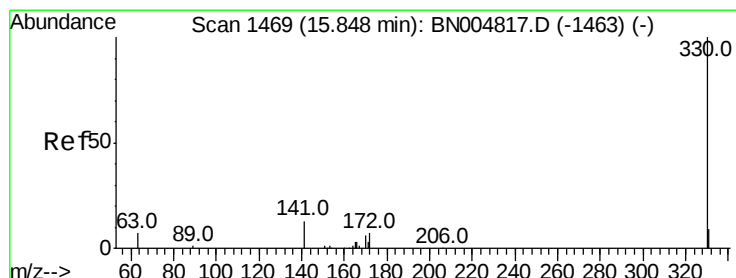
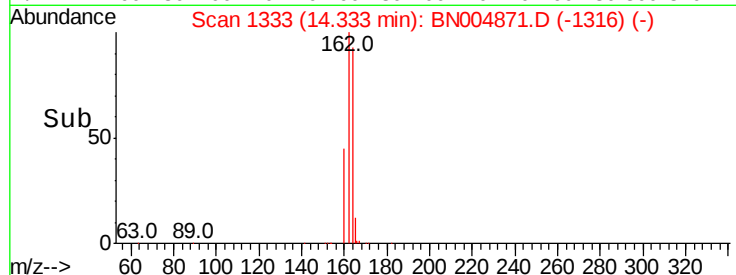
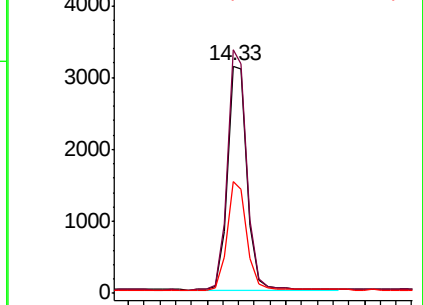
160 49.0 36.6 54.8



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: 0.470 ng

RT: 15.85 min Scan# 1469

Delta R.T. -0.00 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

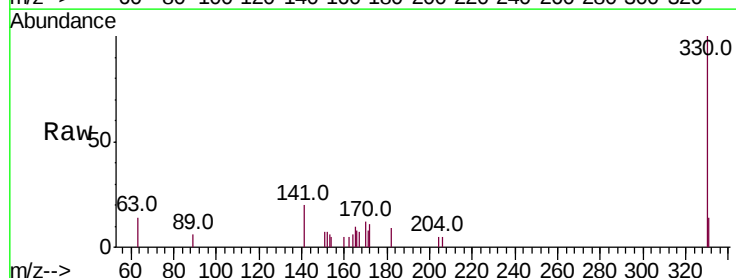
Tgt Ion:330 Resp: 1781

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

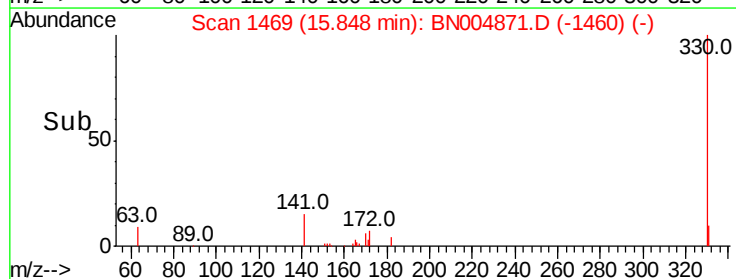
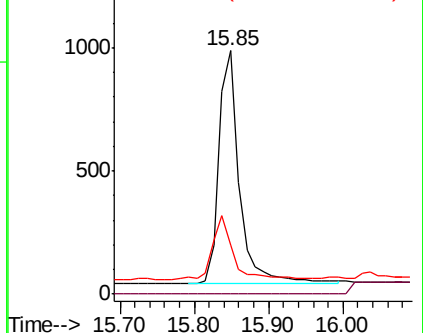
141 27.7 20.9 31.3



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

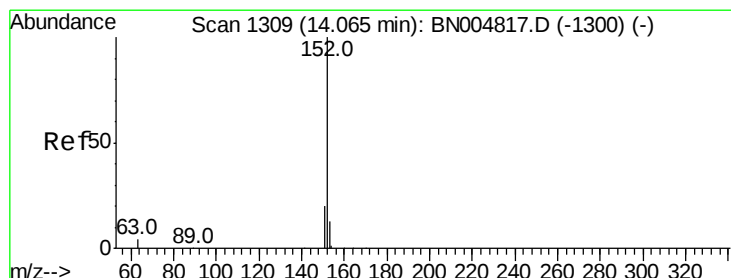
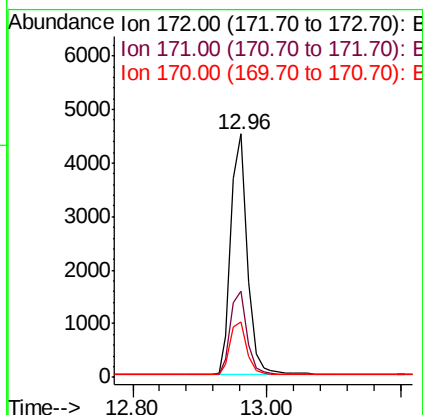
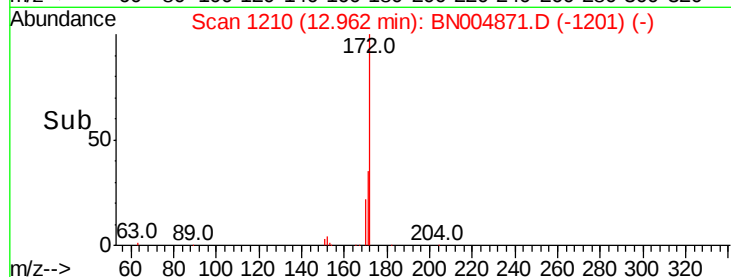
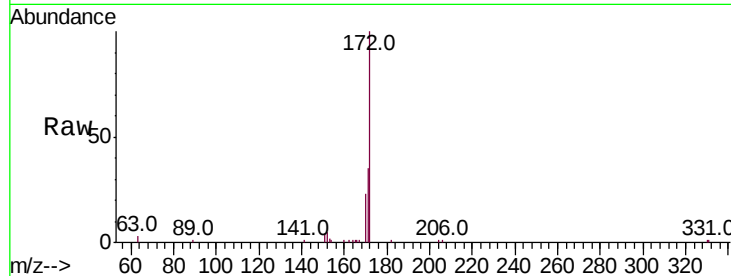




#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 12.96 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BN004871.D
Acq: 22 Mar 2019 03:38

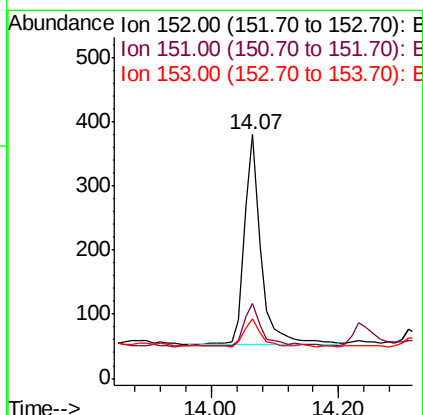
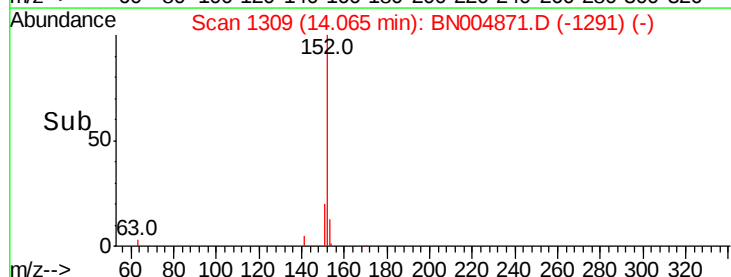
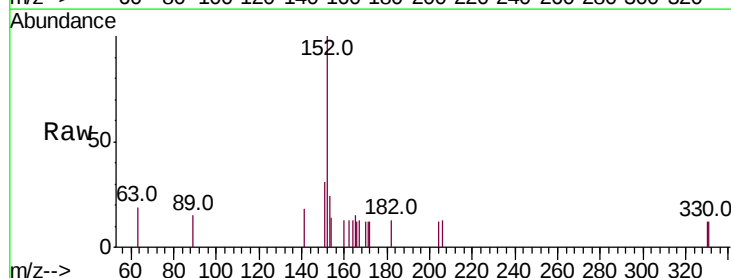
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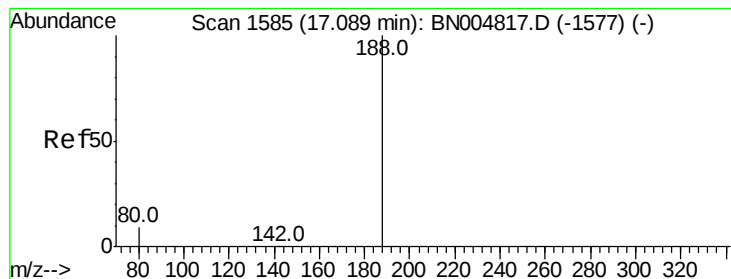
Tot Ion:172 Resp: 7745
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 23.0 18.7 28.1



#16
Acenaphthylene
Concen: 0.021 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN004871.D
Acq: 22 Mar 2019 03:38

Tgt Ion:152 Resp: 602
Ion Ratio Lower Upper
152 100
151 22.4 16.1 24.1
153 12.3 10.5 15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

Instrument :

BNA_N

ClientSampleId :

PST-026-B027-031819

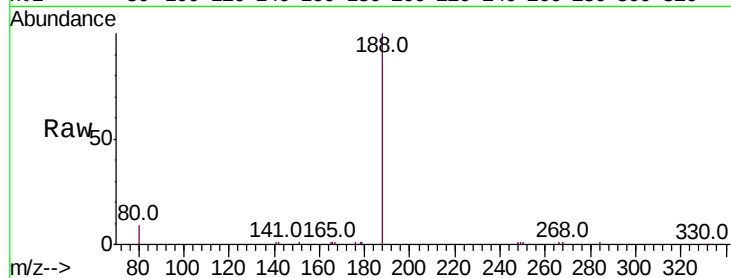
Tot Ion:188 Resp: 14340

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

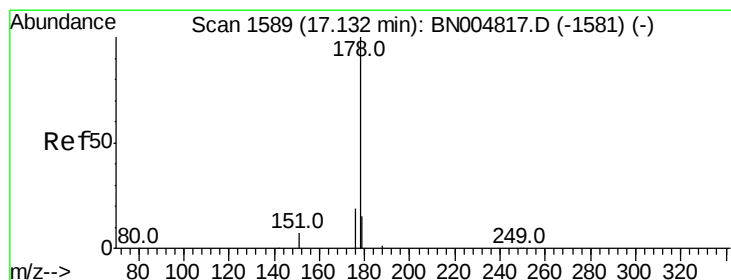
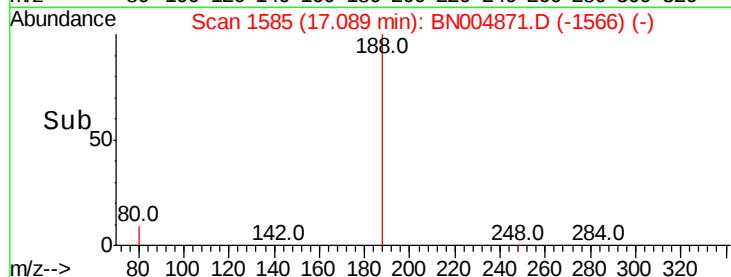
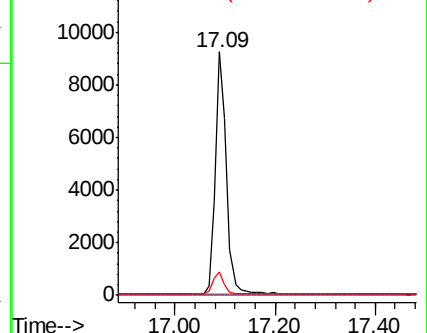
80 9.4 7.4 11.2



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: 0.088 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

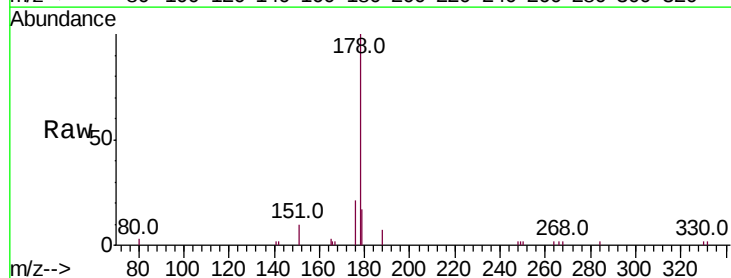
Tgt Ion:178 Resp: 4080

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

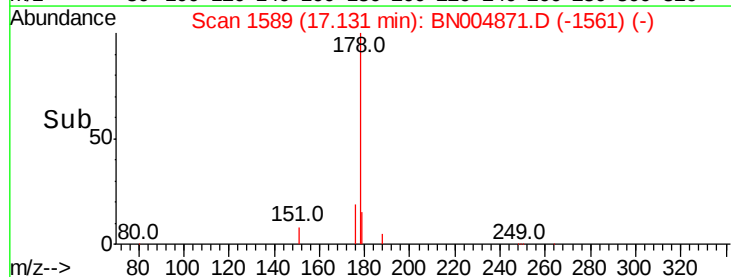
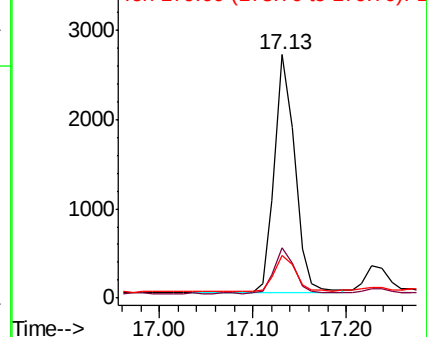
179 16.2 12.1 18.1

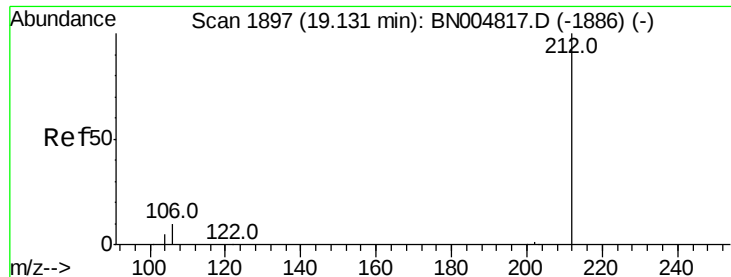


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.295 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

Instrument :

BNA_N

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PST-026-B027-031819

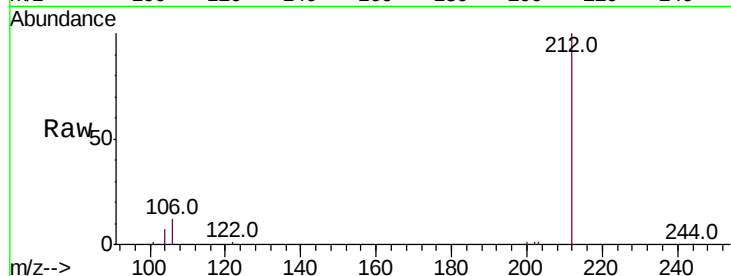
Tot Ion:212 Resp: 14147

Ion Ratio Lower Upper

212 100

106 11.2 8.6 13.0

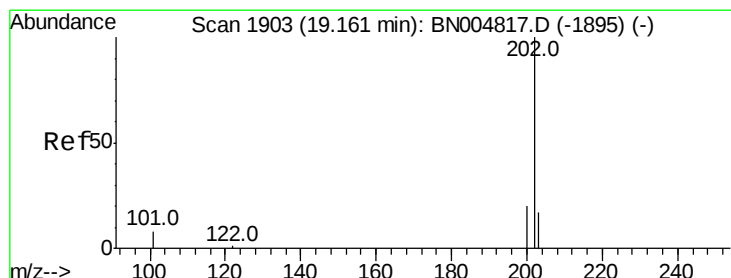
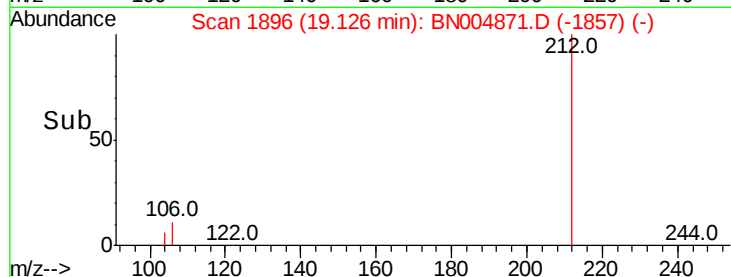
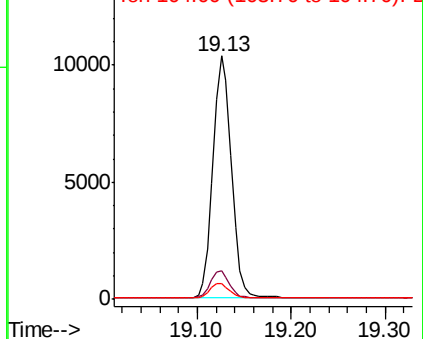
104 6.2 4.7 7.1



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: 0.129 ng

RT: 19.16 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

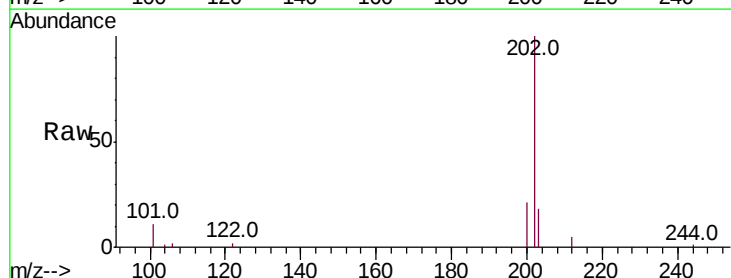
Tgt Ion:202 Resp: 7688

Ion Ratio Lower Upper

202 100

101 10.6 7.5 11.3

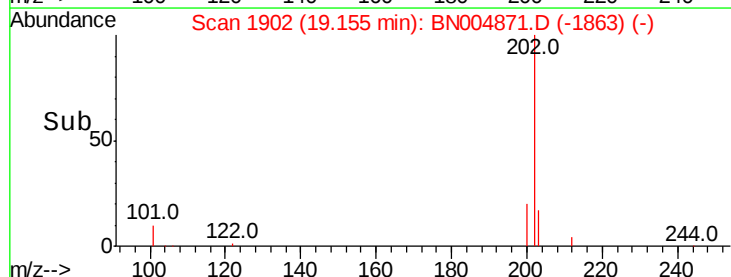
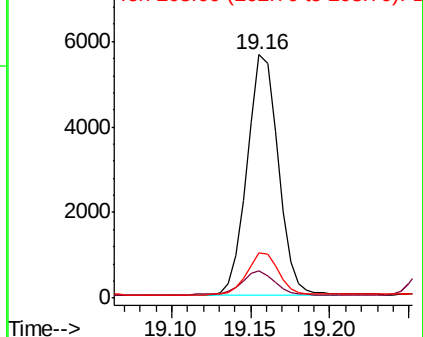
203 17.5 13.8 20.6

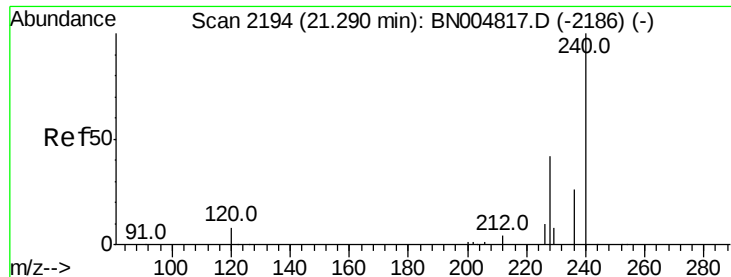


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN004871.D

Acq: 22 Mar 2019 03:38

Instrument :

BNA_N

ClientSampleId :

PST-026-B027-031819

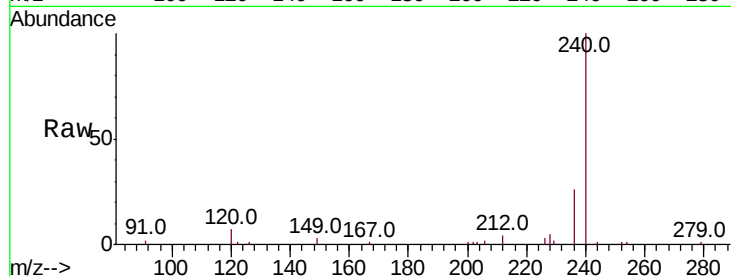
Tot Ion:240 Resp: 19437

Ion Ratio Lower Upper

240 100

120 6.9 7.2 10.8#

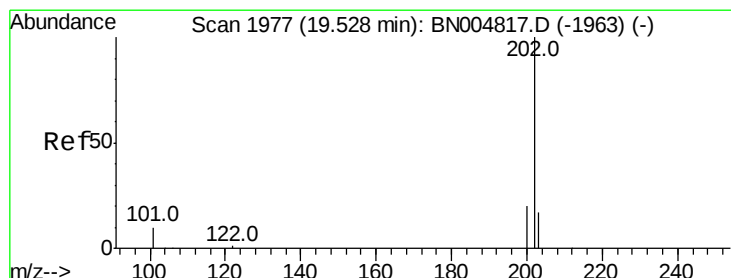
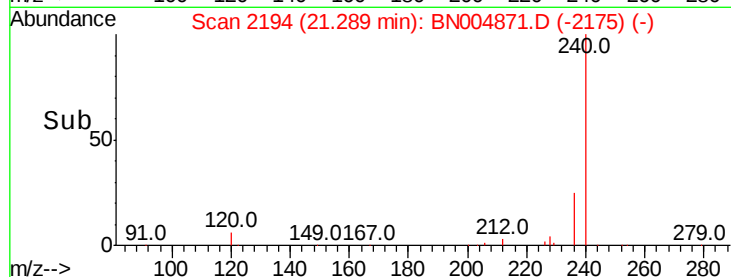
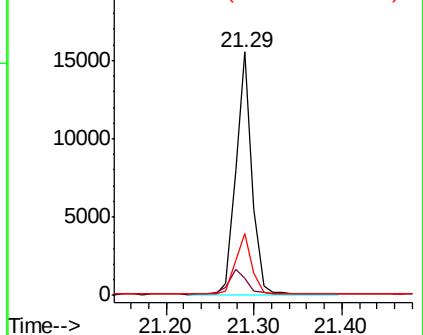
236 25.5 20.9 31.3



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: 0.137 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

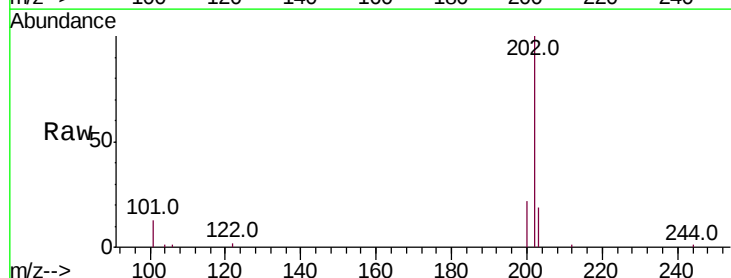
Tgt Ion:202 Resp: 8094

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

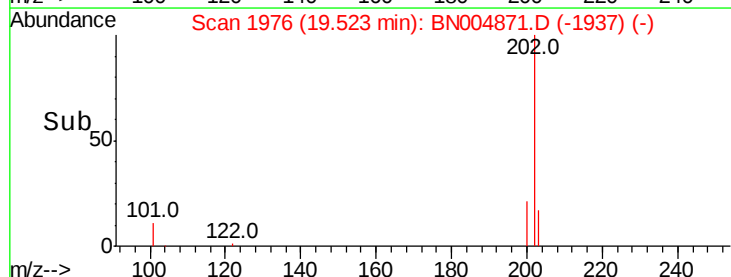
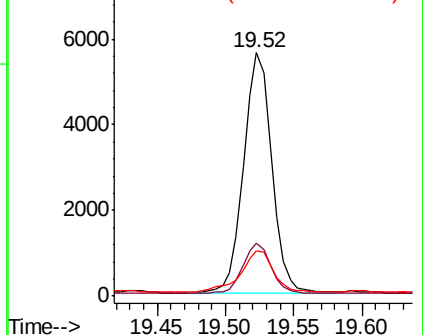
203 20.0 14.0 21.0

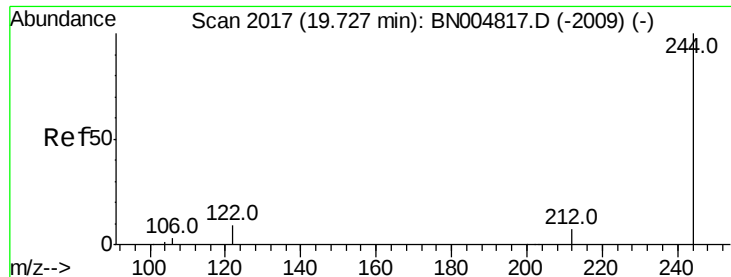


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.362 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

Instrument :

BNA_N

ClientSampleId :

PST-026-B027-031819

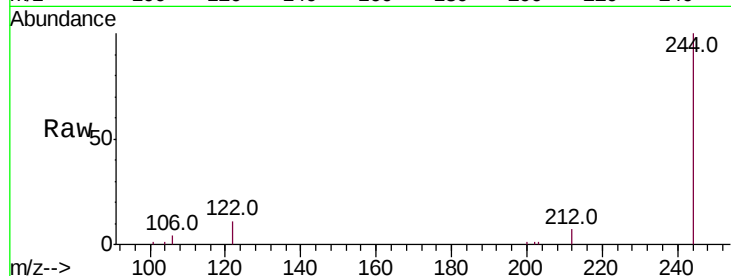
Tot Ion:244 Resp: 14410

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

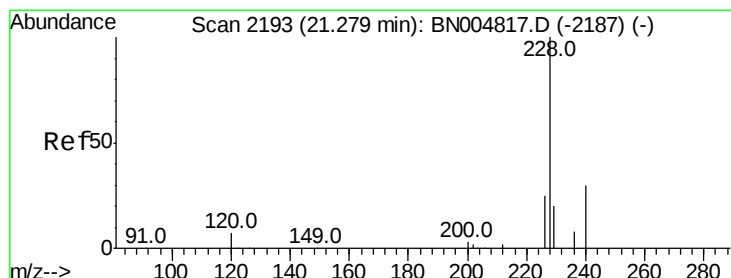
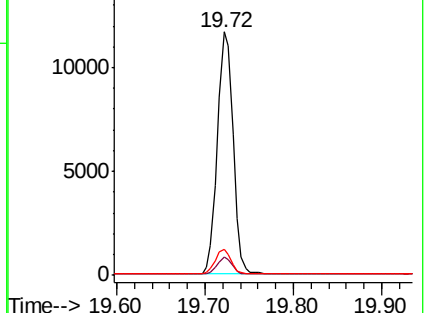
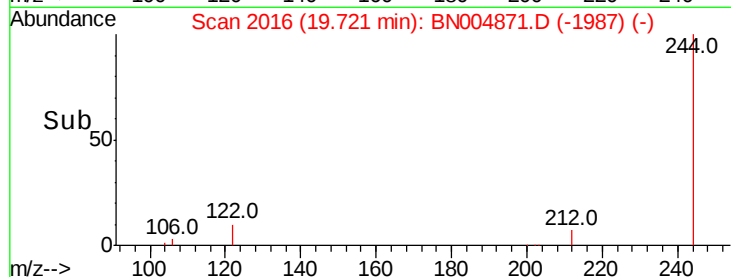
122 10.5 7.9 11.9



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: 0.062 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

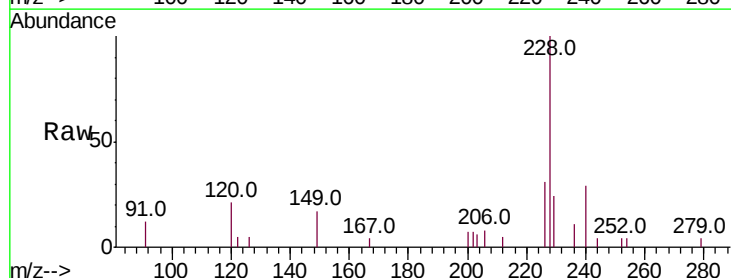
Tgt Ion:228 Resp: 3937

Ion Ratio Lower Upper

228 100

226 30.7 20.6 31.0

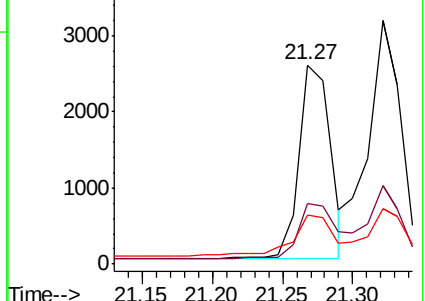
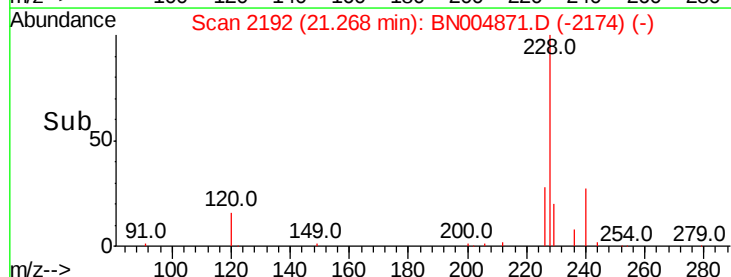
229 24.4 16.2 24.4#

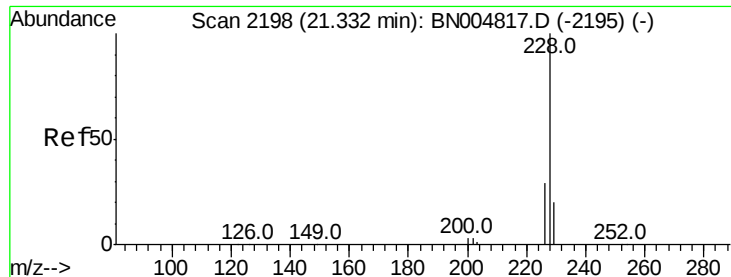


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.076 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

Instrument :

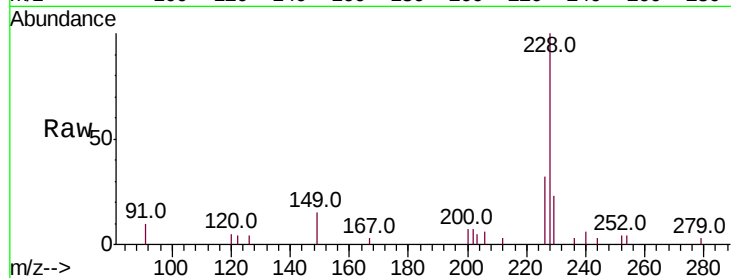
BNA_N

ClientSampleId :

PST-026-B027-031819

Tot Ion:228 Resp: 5113

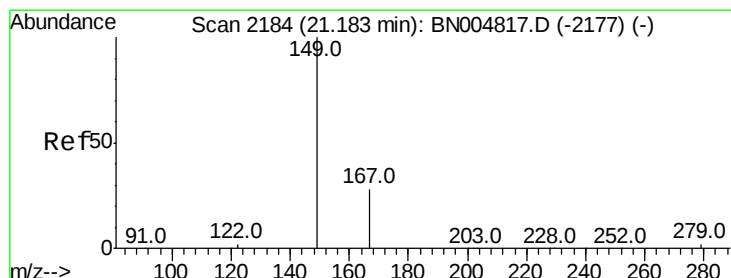
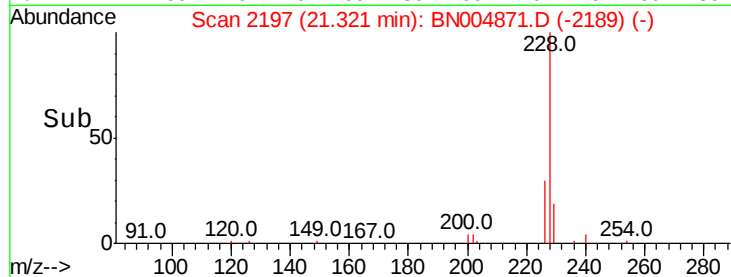
Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.0	34.6
229	22.8	16.2	24.2



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: 0.082 ng

RT: 21.18 min Scan# 2184

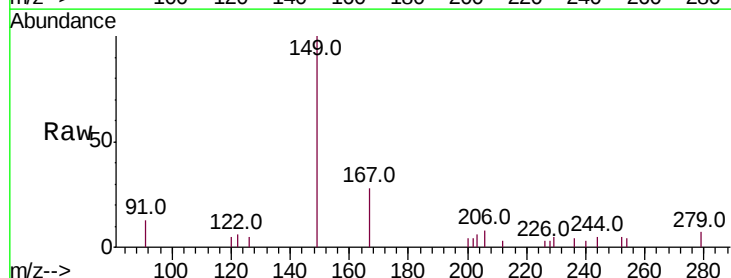
Delta R.T. -0.00 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

Tgt Ion:149 Resp: 2076

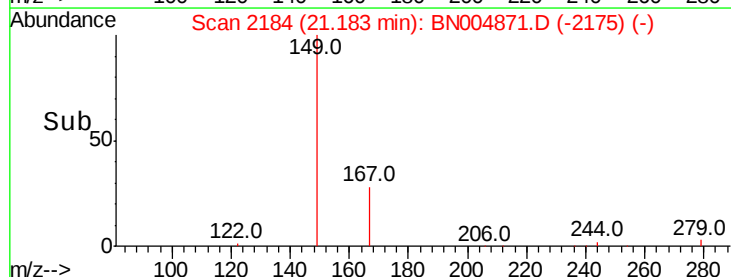
Ion	Ratio	Lower	Upper
149	100		
167	27.8	23.0	34.4
279	6.4	4.6	6.8

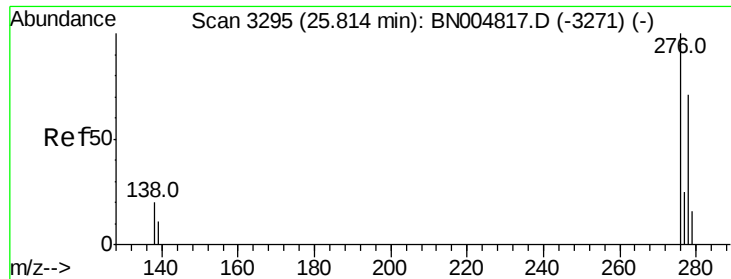


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

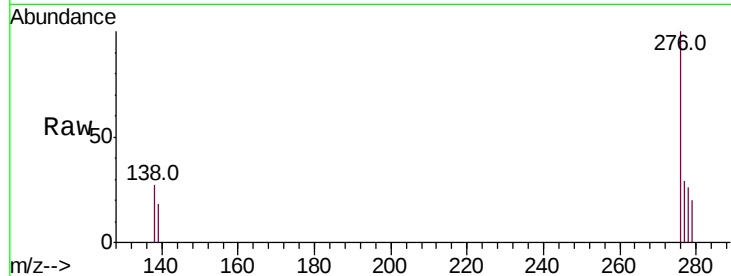




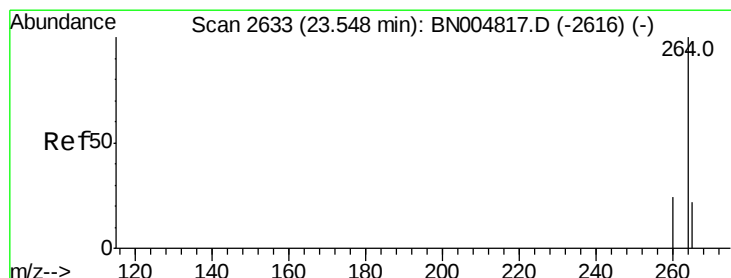
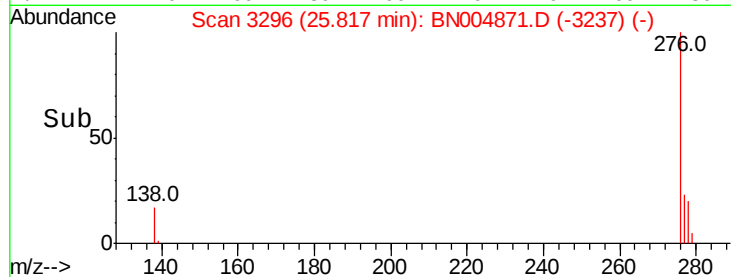
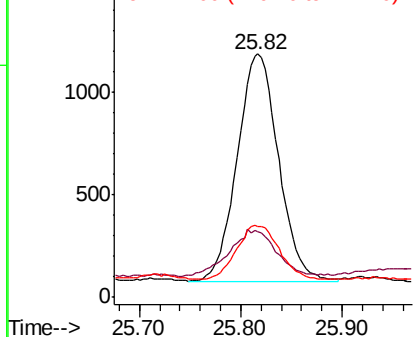
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.032 ng
 RT: 25.82 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: BN004871.D
 Acq: 22 Mar 2019 03:38

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B027-031819

Tot Ion:276 Resp: 3128
 Ion Ratio Lower Upper
 276 100
 138 23.5 16.6 24.8
 277 24.1 20.3 30.5

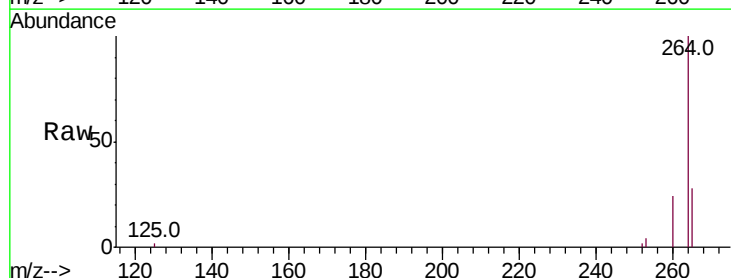


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

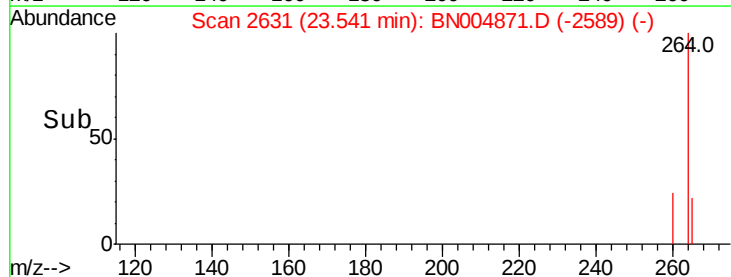
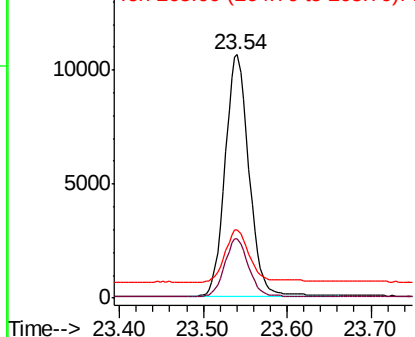


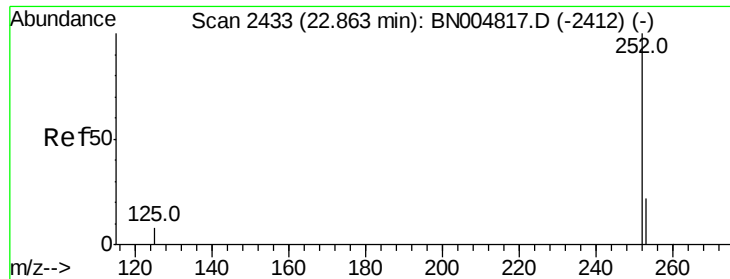
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.54 min Scan# 2631
 Delta R.T. -0.01 min
 Lab File: BN004871.D
 Acq: 22 Mar 2019 03:38

Tgt Ion:264 Resp: 20884
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 28.1 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: 0.082 ng

RT: 22.87 min Scan# 2434

Delta R.T. 0.00 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

Instrument :

BNA_N

ClientSampleId :

PST-026-B027-031819

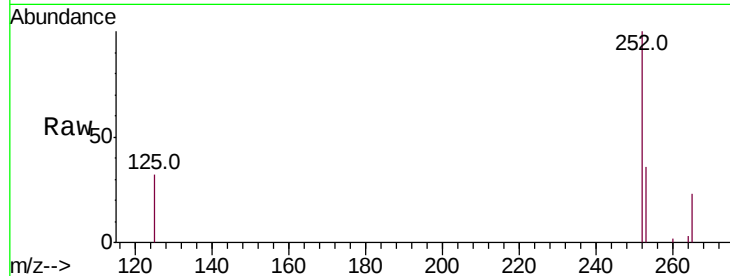
Tot Ion:252 Resp: 6170

Ion Ratio Lower Upper

252 100

253 35.8 19.0 28.4#

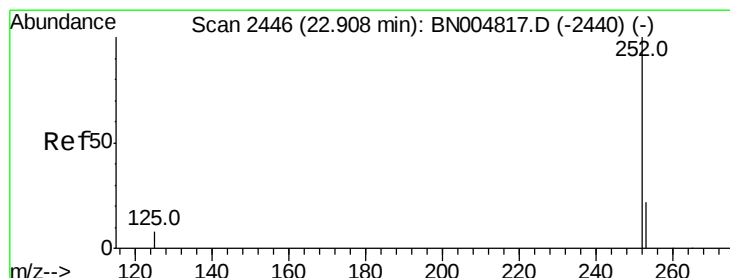
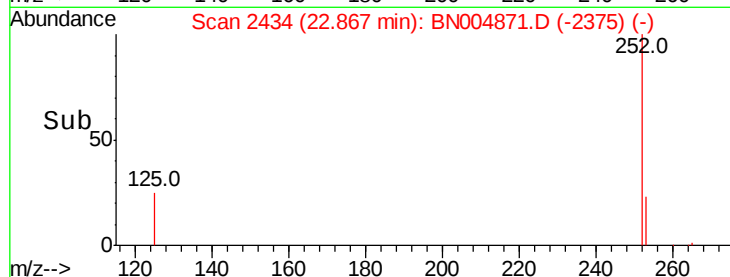
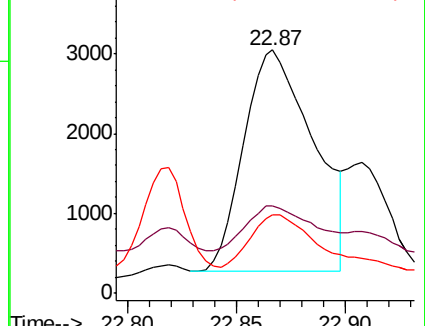
125 32.3 7.4 11.2#



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



#36

Benzo(k)fluoranthene

Concen: 0.083 ng

RT: 22.87 min Scan# 2434

Delta R.T. -0.04 min

Lab File: BN004871.D

Acq: 22 Mar 2019 03:38

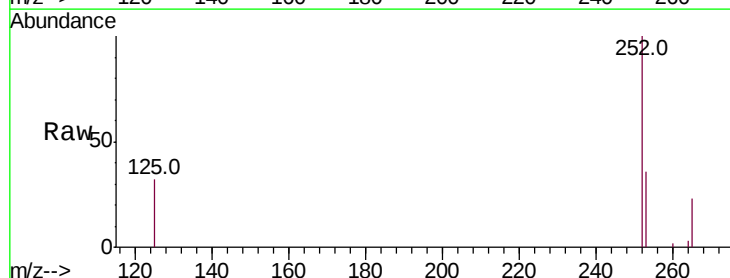
Tgt Ion:252 Resp: 6170

Ion Ratio Lower Upper

252 100

253 35.8 19.3 28.9#

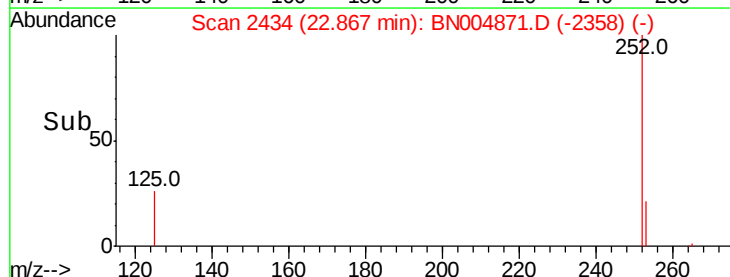
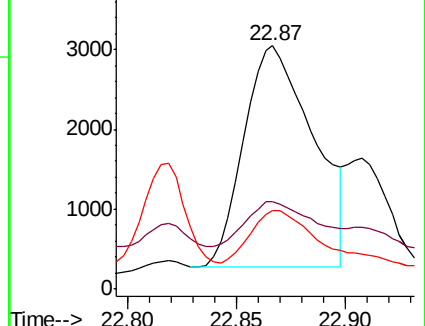
125 32.3 7.4 11.0#

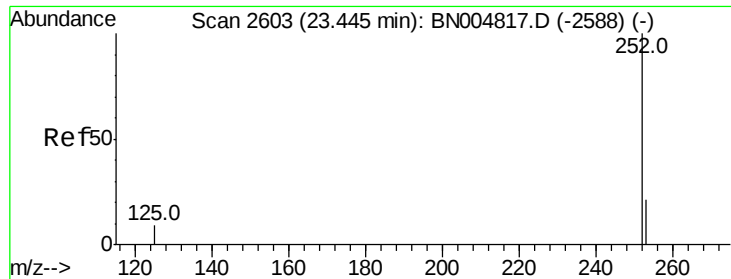


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.062 ng

RT: 23.44 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BN004817.D

Acq: 22 Mar 2019 03:38

Instrument :

BNA_N

ClientSampleId :

PST-026-B027-031819

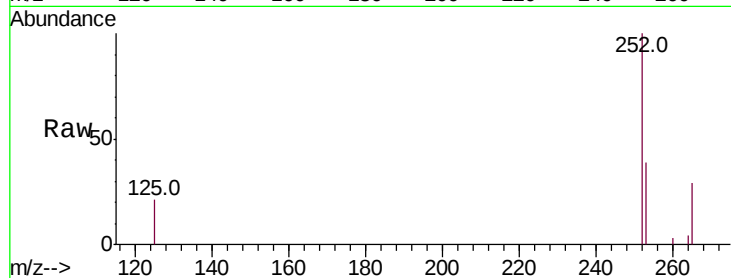
Tot Ion:252 Resp: 4282

Ion Ratio Lower Upper

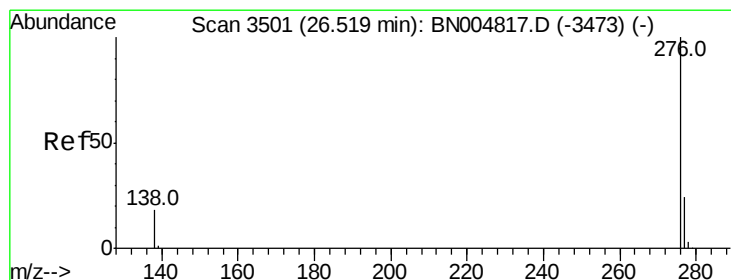
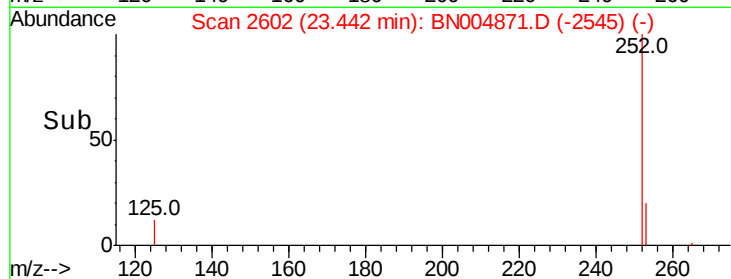
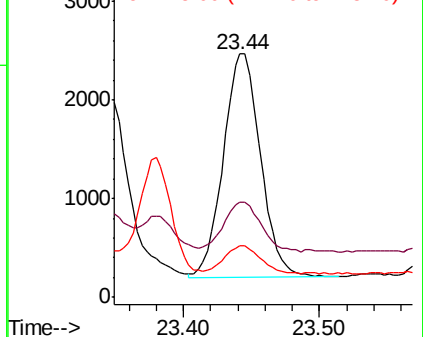
252 100

253 39.2 19.7 29.5#

125 21.4 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: 0.040 ng

RT: 26.52 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BN004817.D

Acq: 22 Mar 2019 03:38

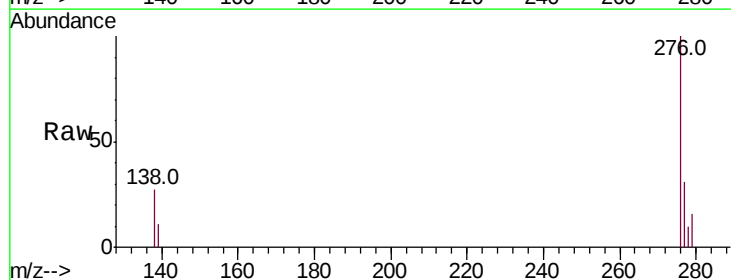
Tgt Ion:276 Resp: 3245

Ion Ratio Lower Upper

276 100

277 31.1 19.7 29.5#

138 26.8 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

