

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004867.D
 Acq On : 22 Mar 2019 01:16
 Operator : JU/SJ
 Sample : K1817-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B108-030619

Quant Time: Mar 22 02:03:33 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	1755	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	7880	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	5130	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	13690	0.40	ng	0.00
27) Chrysene-d12	21.29	240	18224	0.40	ng	0.00
34) Perylene-d12	23.54	264	20197	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.30	112	1593	0.33	ng	0.00
5) Phenol-d6	6.87	99	2172	0.37	ng	0.00
8) Nitrobenzene-d5	8.87	82	1429	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4041	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	949	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	6524	0.31	ng	0.00
25) Fluoranthene-d10	19.13	212	12746	0.28	ng	0.00
29) Terphenyl-d14	19.72	244	10444	0.28	ng	0.00

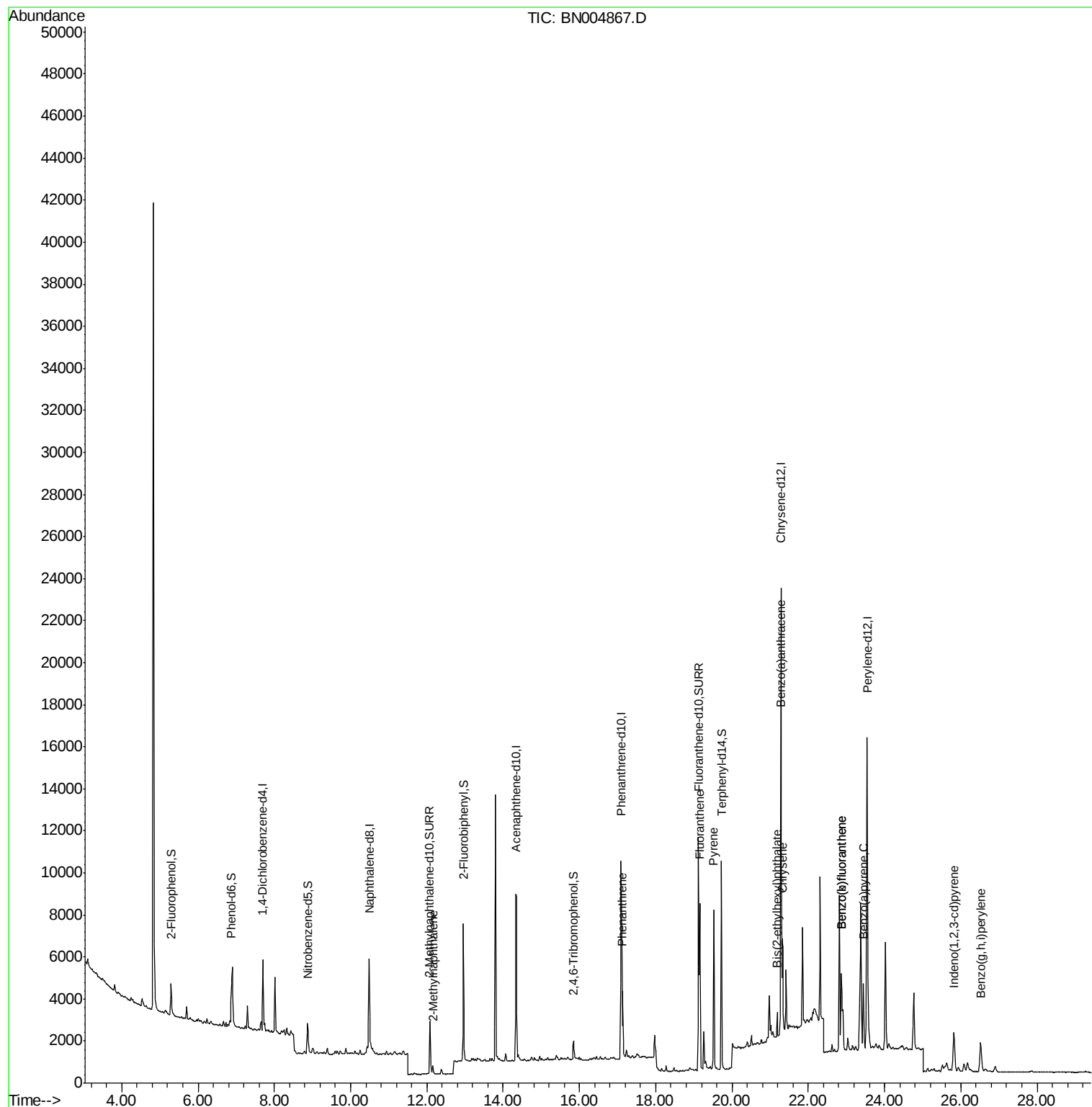
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 2-Methylnaphthalene	12.15	142	345	0.021	ng	# 88
23) Phenanthrene	17.13	178	3488	0.079	ng	98
26) Fluoranthene	19.16	202	7390	0.130	ng	99
28) Pyrene	19.52	202	7289	0.131	ng	96
30) Benzo(a)anthracene	21.28	228	4293	0.072	ng	92
31) Chrysene	21.32	228	4314	0.069	ng	95
32) Bis(2-ethylhexyl)phthalate	21.18	149	1006	0.042	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.82	276	3055	0.034	ng	97
35) Benzo(b)fluoranthene	22.87	252	5585	0.076	ng	# 75
36) Benzo(k)fluoranthene	22.87	252	5585	0.078	ng	# 75
37) Benzo(a)pyrene	23.44	252	4348	0.065	ng	# 75
39) Benzo(a,h,i)perylene	26.52	276	3026	0.038	ng	# 87

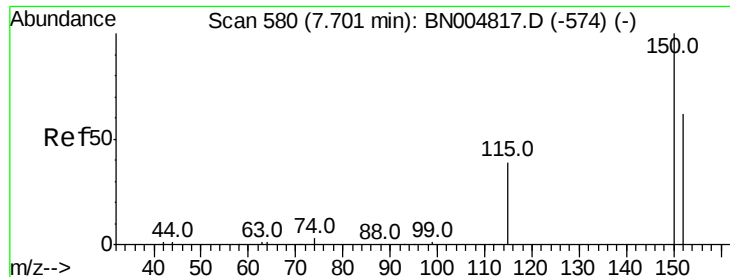
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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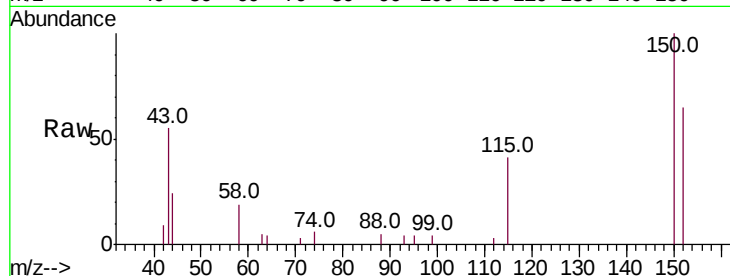


#1

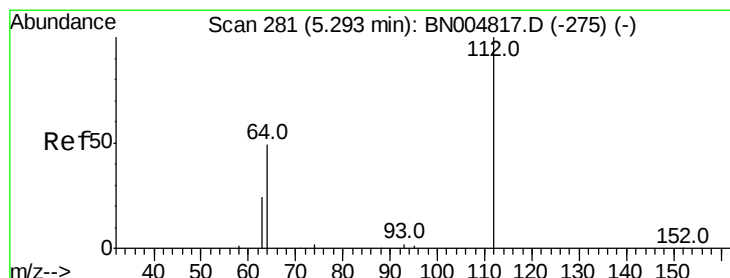
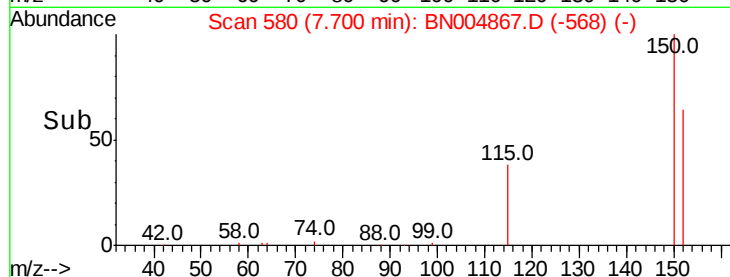
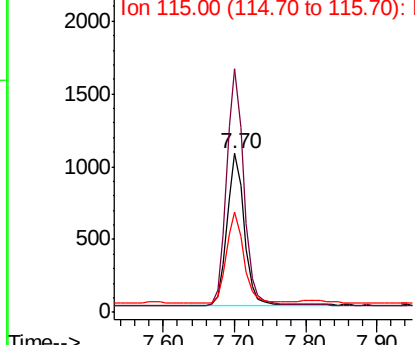
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Instrument :
BNA_N
ClientSampleId :
PST-027-B108-030619

Tot Ion:152 Resp: 1755
Ion Ratio Lower Upper
152 100
150 153.4 126.2 189.4
115 63.4 52.6 79.0



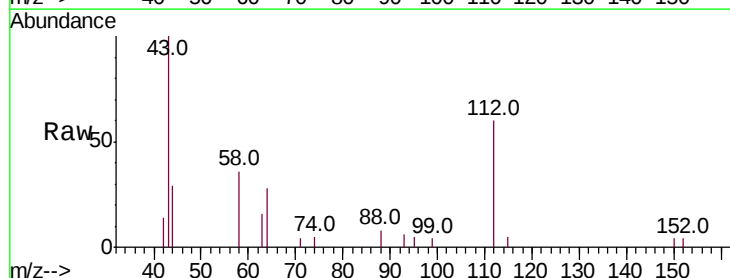
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



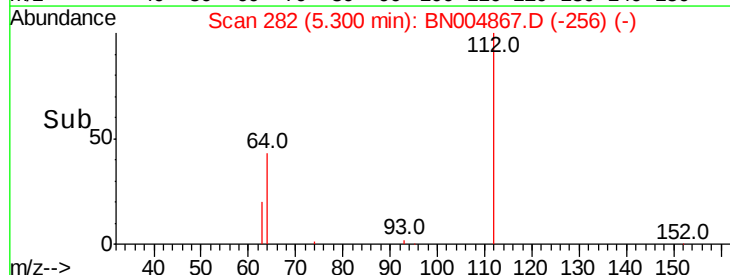
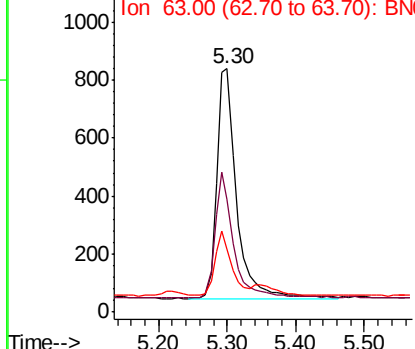
#4

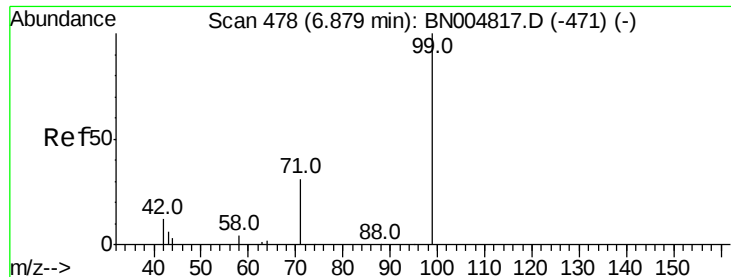
2-Fluorophenol
Concen: 0.334 ng
RT: 5.30 min Scan# 282
Delta R.T. 0.01 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Tgt Ion:112 Resp: 1593
Ion Ratio Lower Upper
112 100
64 51.4 40.0 60.0
63 23.7 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: 0.366 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

ClientSampleId :

PST-027-B108-030619

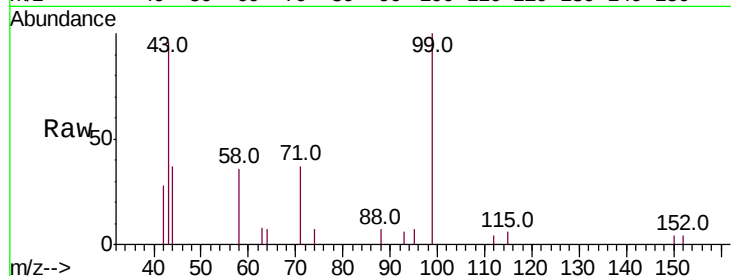
Tot Ion: 99 Resp: 2172

Ion Ratio Lower Upper

99 100

42 22.0 12.7 19.1#

71 39.2 26.6 40.0



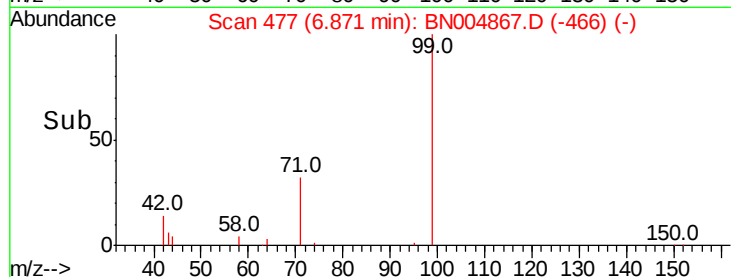
Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

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

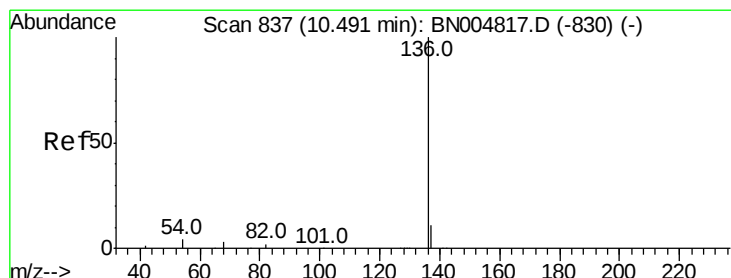
Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)

6.87

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Tgt Ion: 136 Resp: 7880

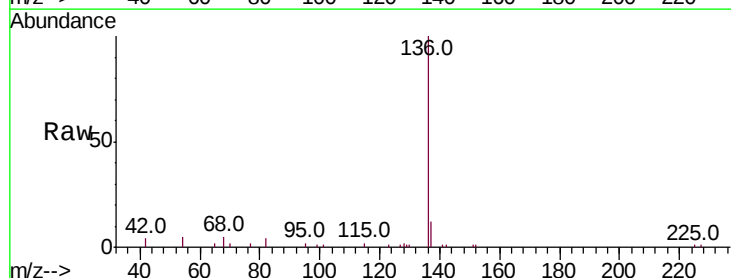
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 5.5 4.2 6.2

68 5.0 3.9 5.9



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

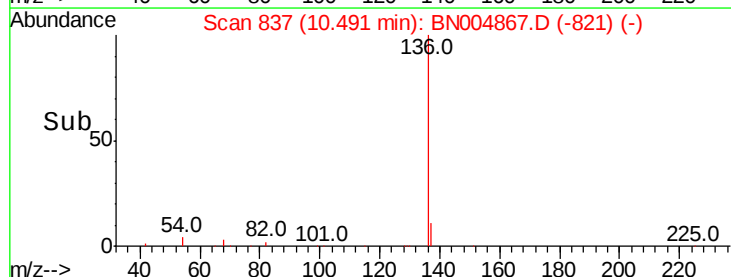
Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

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

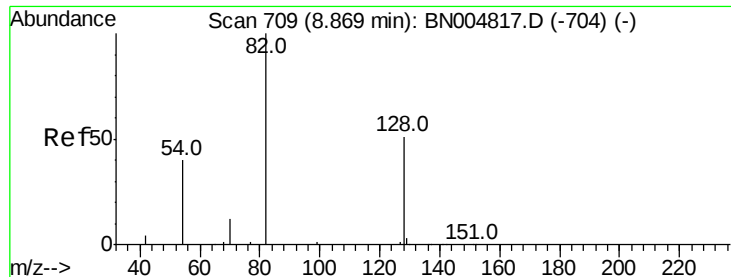
Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)

10.49

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.274 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

ClientSampleId :

PST-027-B108-030619

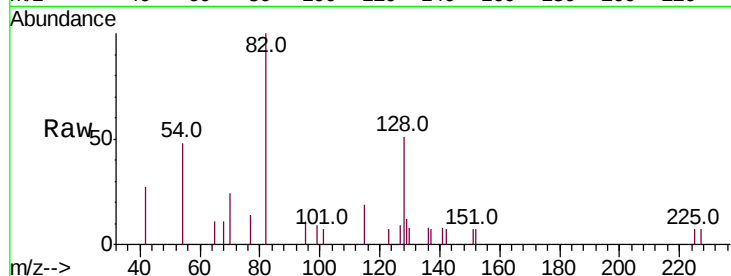
Tot Ion: 82 Resp: 1429

Ion Ratio Lower Upper

82 100

128 51.2 43.0 64.6

54 48.4 35.3 52.9



Abundance Ion 82.00 (81.70 to 82.70): BN004867.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004867.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004867.D (-693) (-)

8.87

600

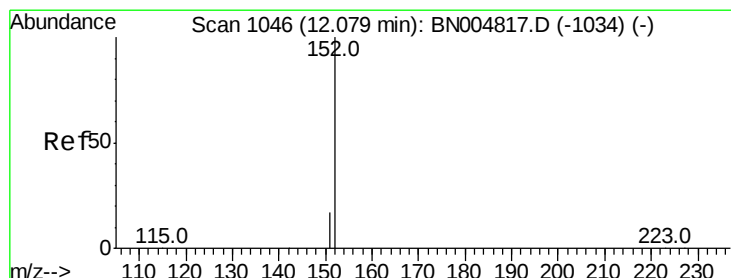
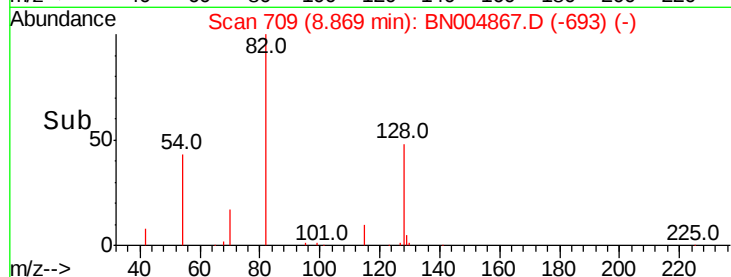
400

200

0

8.70 8.80 8.90 9.00

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.294 ng

RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004867.D

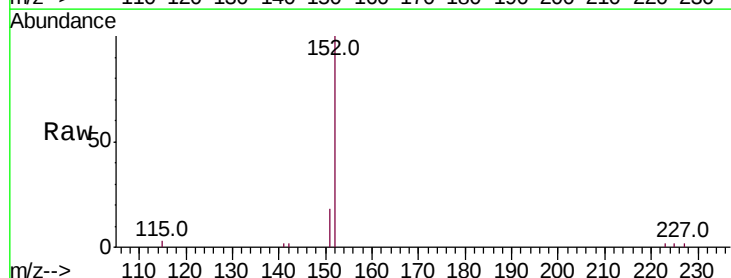
Acq: 22 Mar 2019 01:16

Tgt Ion: 152 Resp: 4041

Ion Ratio Lower Upper

152 100

151 20.0 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004867.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004867.D (-1001) (-)

12.08

2500

2000

1500

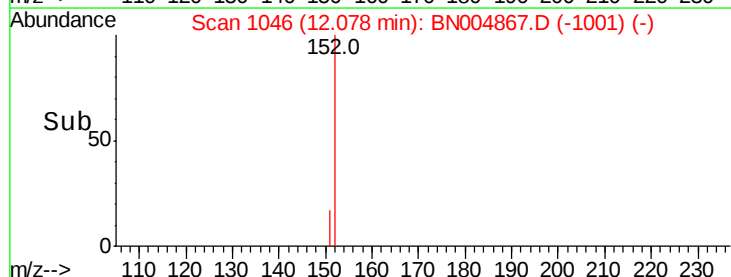
1000

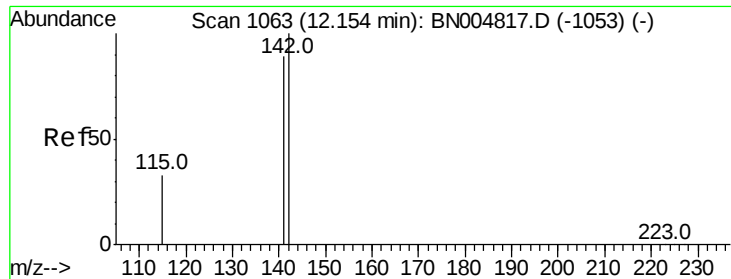
500

0

12.00 12.10 12.20

Time-->





#12

2-Methylnaphthalene

Concen: 0.021 ng

RT: 12.15 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

ClientSampleId :

PST-027-B108-030619

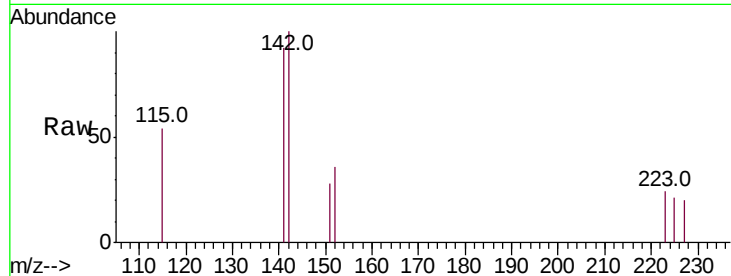
Tot Ion:142 Resp: 345

Ion Ratio Lower Upper

142 100

141 92.0 71.4 107.2

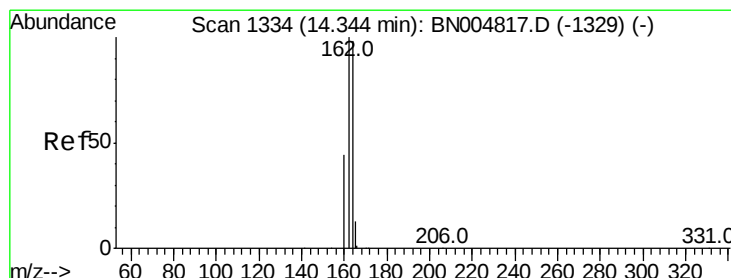
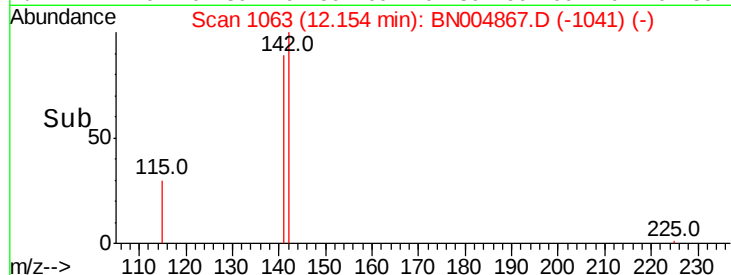
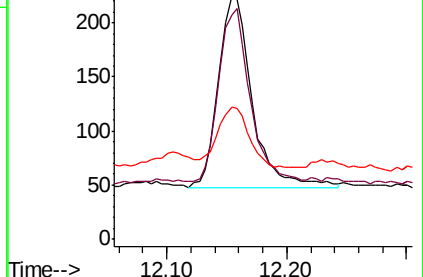
115 54.2 27.5 41.3#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

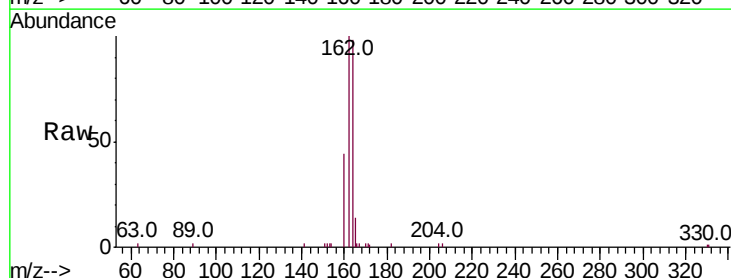
Tgt Ion:164 Resp: 5130

Ion Ratio Lower Upper

164 100

162 102.4 81.9 122.9

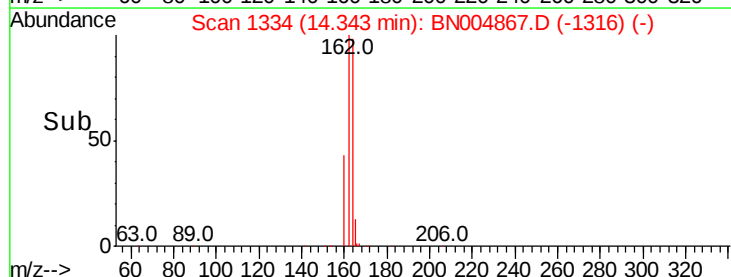
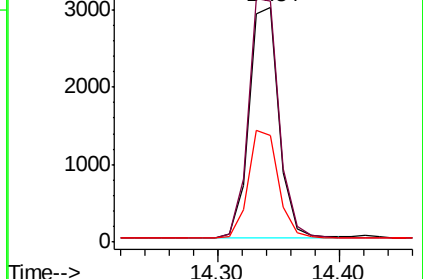
160 45.4 36.6 54.8

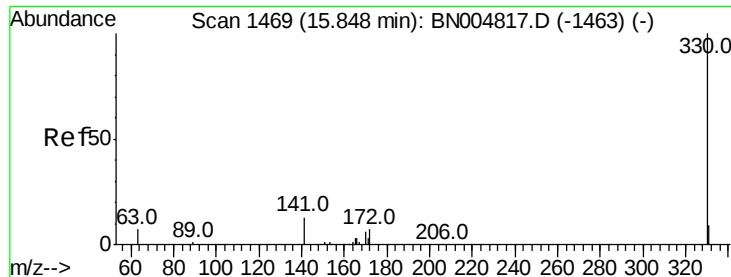


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

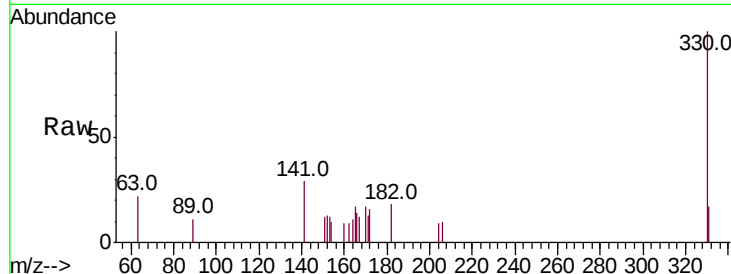




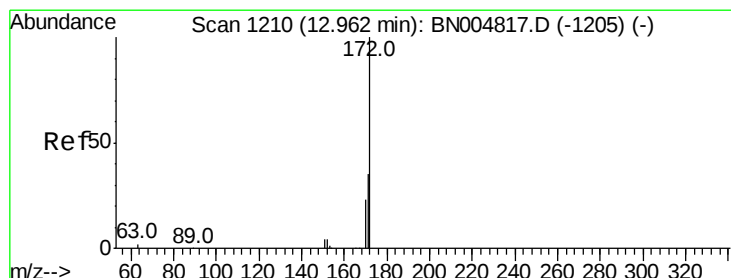
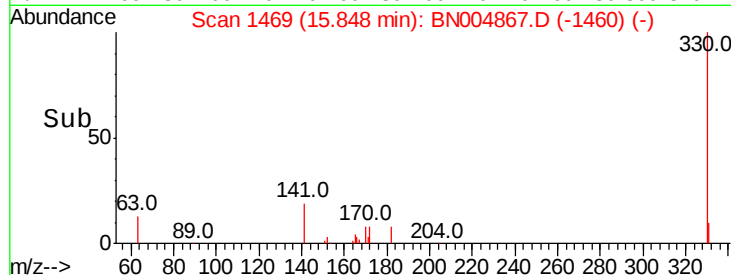
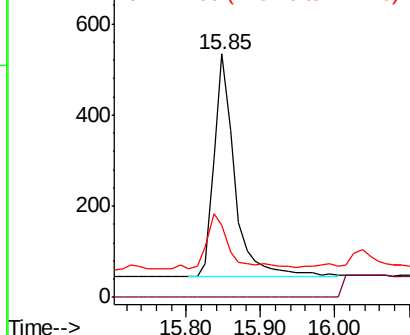
#14
 2,4,6-Tribromophenol
 Concen: 0.268 ng
 RT: 15.85 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: BN004867.D
 Acq: 22 Mar 2019 01:16

Instrument :
 BNA_N
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 PST-027-B108-030619

Tot Ion:330 Resp: 949
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 27.6 20.9 31.3

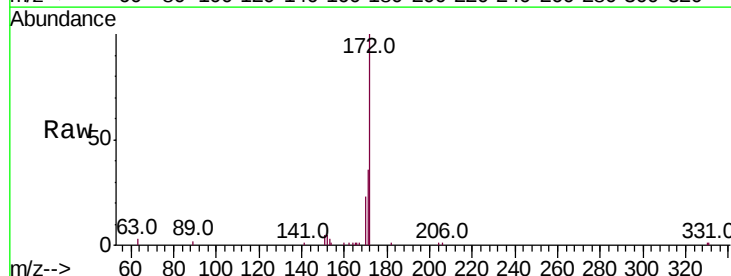


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

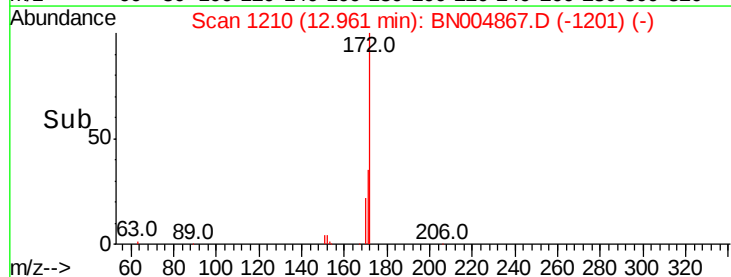
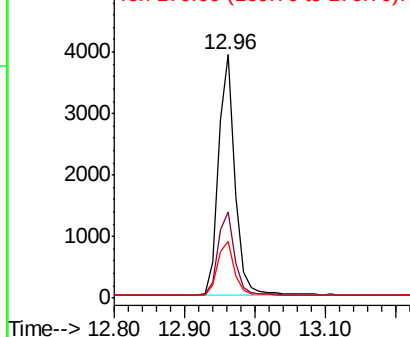


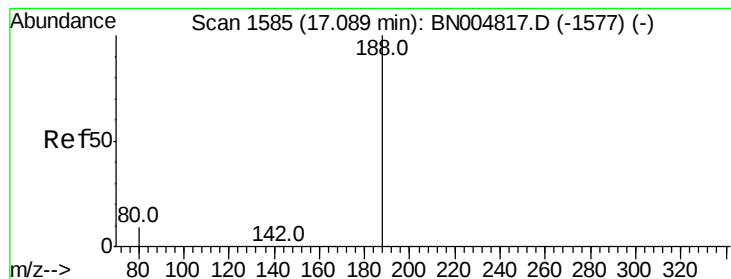
#15
 2-Fluorobiphenyl
 Concen: 0.308 ng
 RT: 12.96 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BN004867.D
 Acq: 22 Mar 2019 01:16

Tgt Ion:172 Resp: 6524
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.7 43.1
 170 23.1 18.7 28.1



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

ClientSampleId :

PST-027-B108-030619

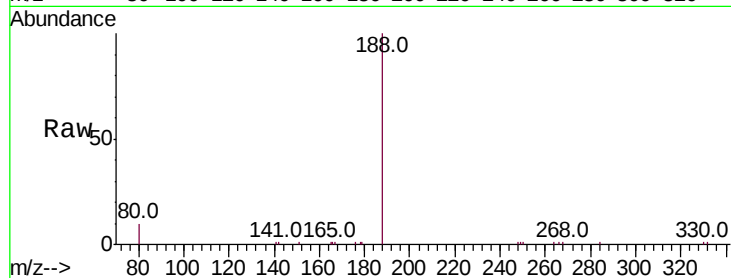
Tot Ion:188 Resp: 13690

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

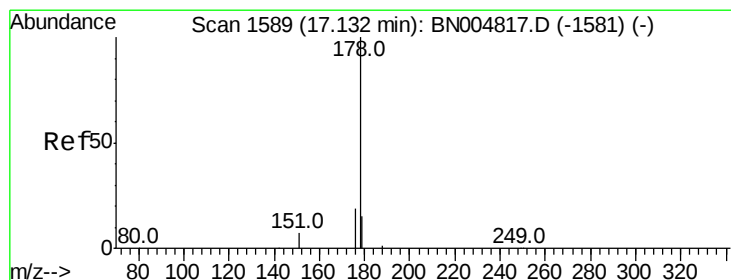
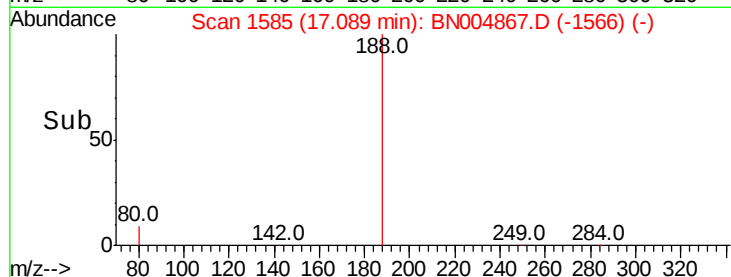
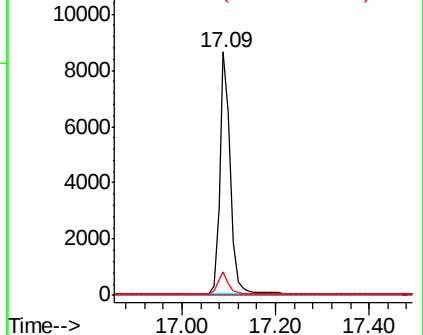
80 9.8 7.4 11.2



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: 0.079 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

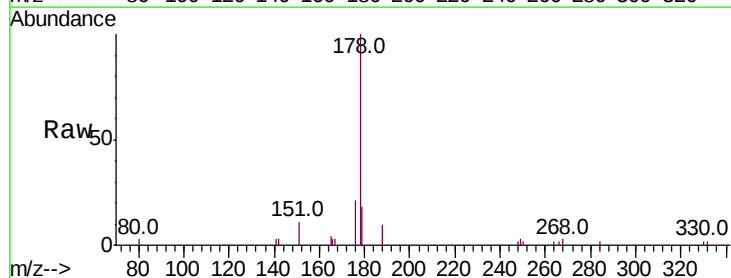
Tgt Ion:178 Resp: 3488

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

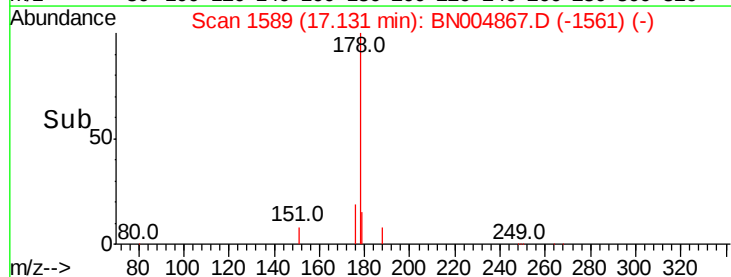
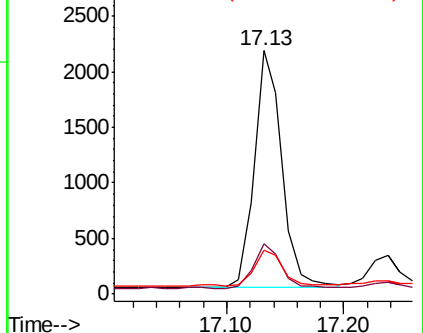
179 16.6 12.1 18.1

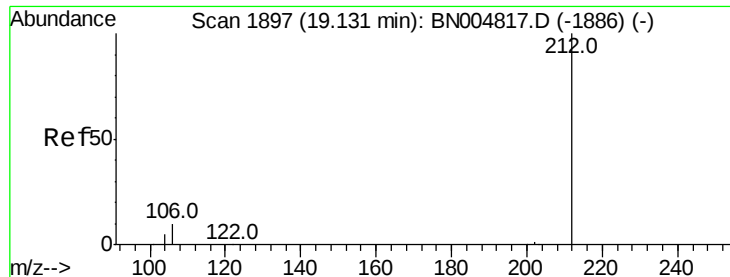


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.278 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

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PST-027-B108-030619

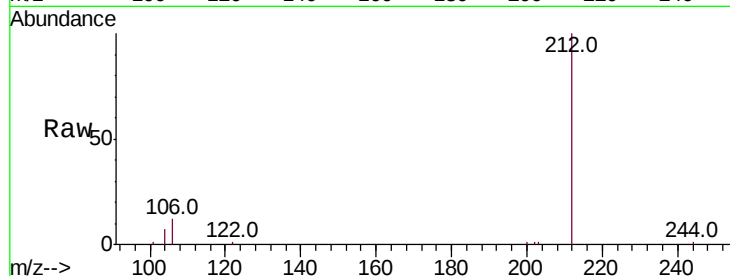
Tot Ion:212 Resp: 12746

Ion Ratio Lower Upper

212 100

106 11.4 8.6 13.0

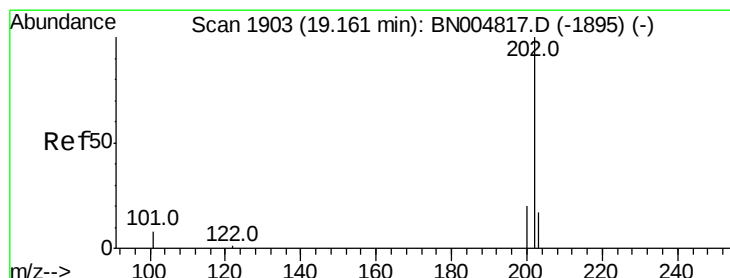
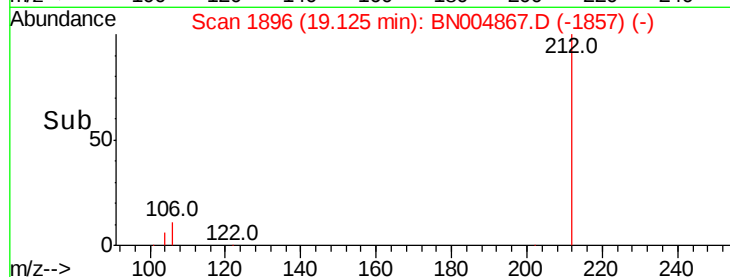
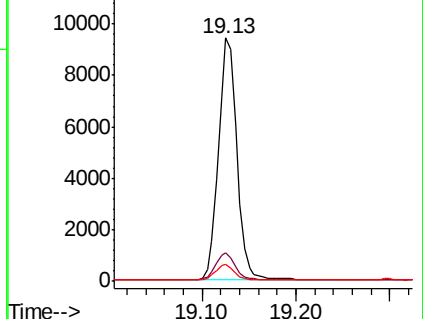
104 6.4 4.7 7.1



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: 0.130 ng

RT: 19.16 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

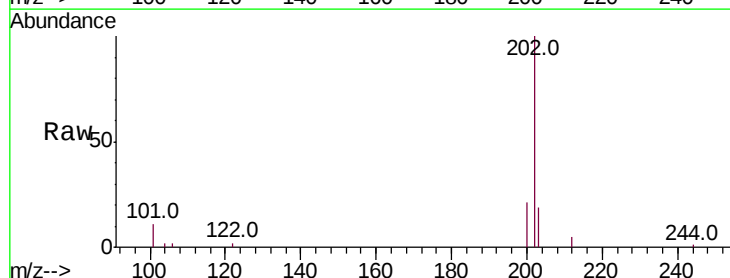
Tgt Ion:202 Resp: 7390

Ion Ratio Lower Upper

202 100

101 10.8 7.5 11.3

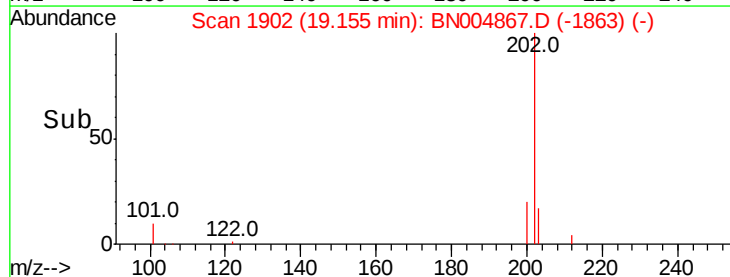
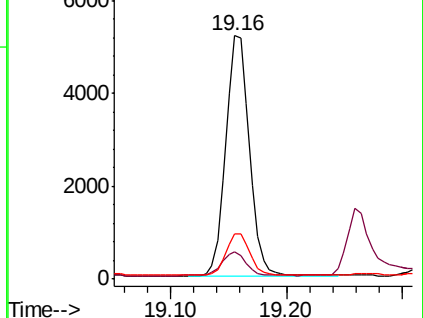
203 17.3 13.8 20.6

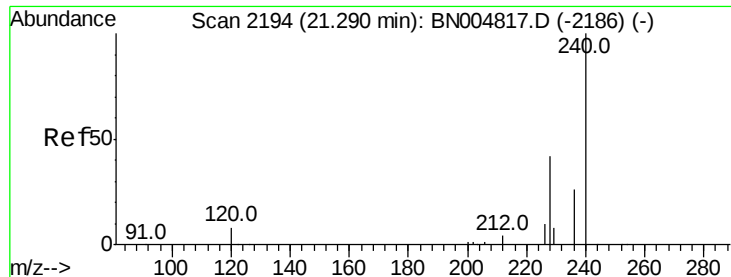


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

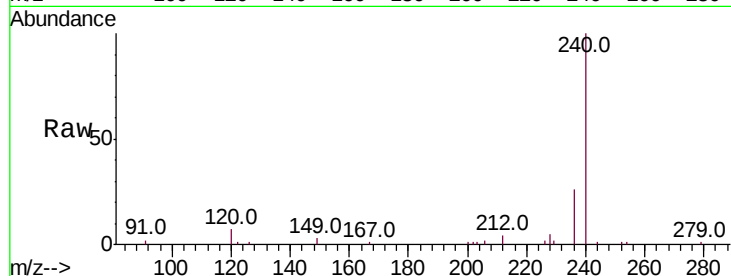




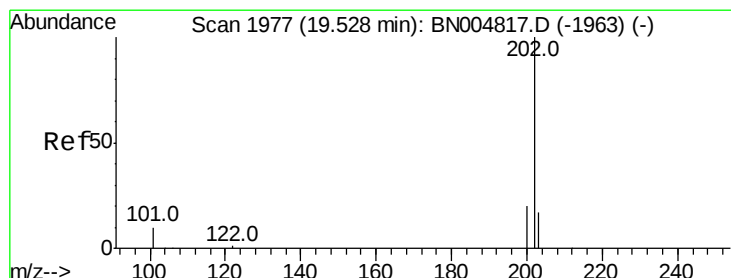
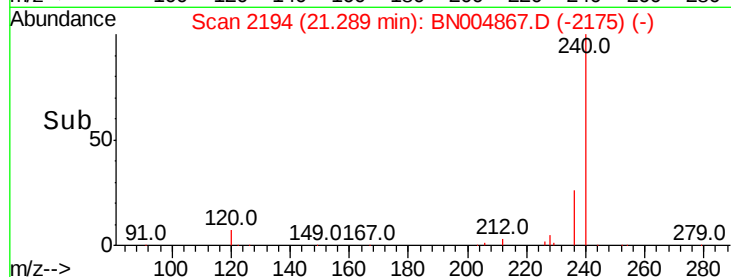
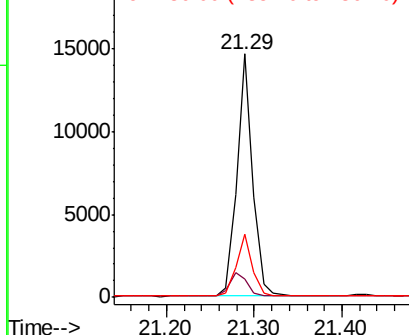
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Instrument :
BNA_N
ClientSampleId :
PST-027-B108-030619

Tot Ion:240 Resp: 18224
Ion Ratio Lower Upper
240 100
120 7.5 7.2 10.8
236 25.9 20.9 31.3

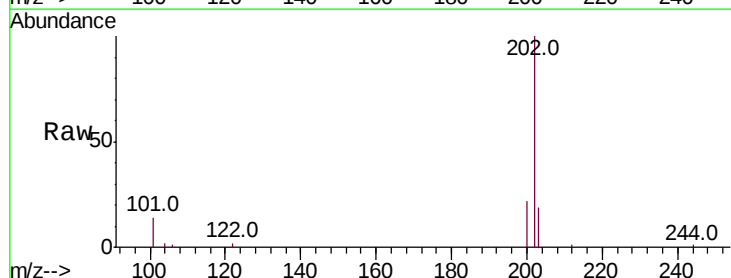


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

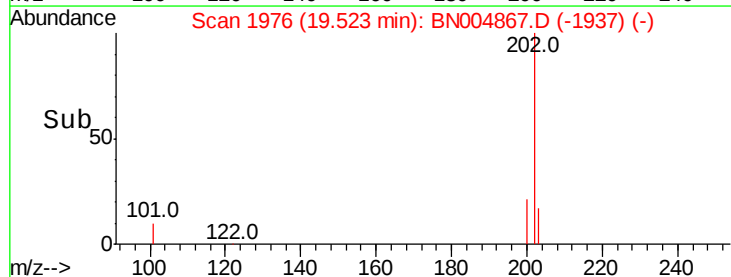
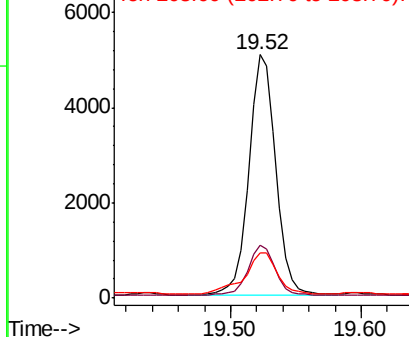


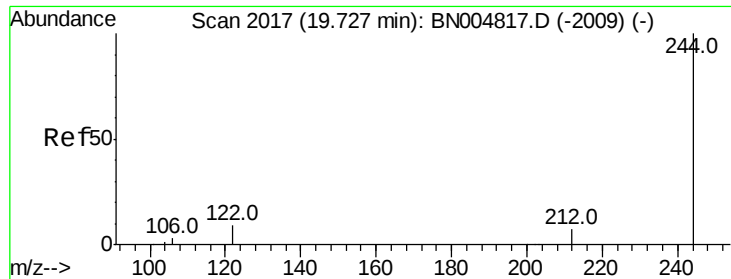
#28
Pyrene
Concen: 0.131 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Tgt Ion:202 Resp: 7289
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 20.7 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: 0.280 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

ClientSampleId :

PST-027-B108-030619

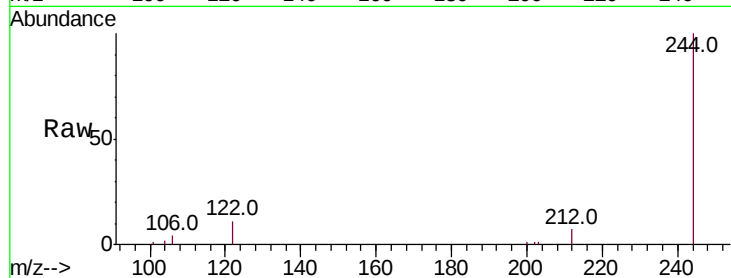
Tot Ion:244 Resp: 10444

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

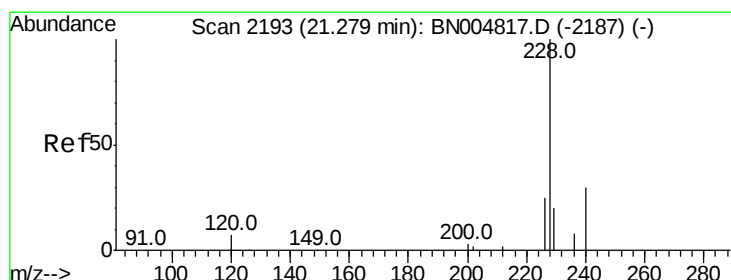
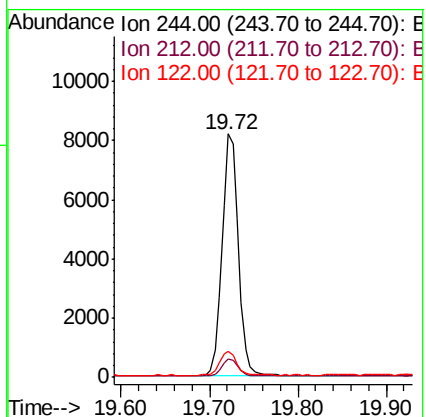
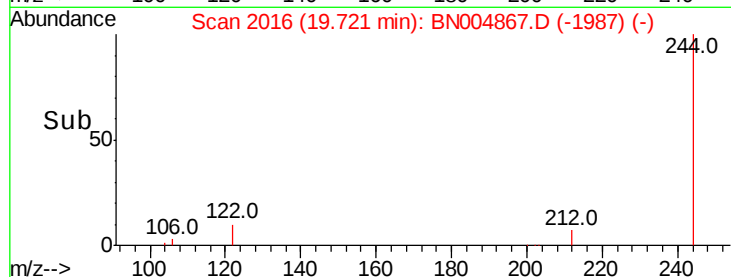
122 10.7 7.9 11.9



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: 0.072 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

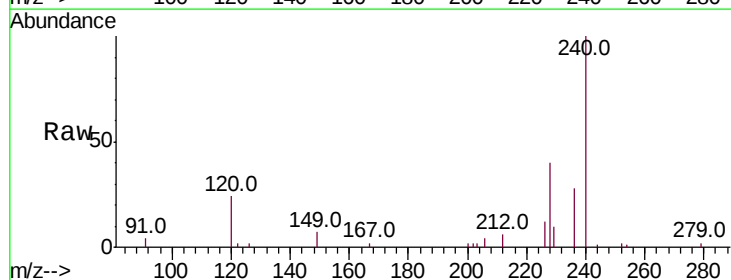
Tgt Ion:228 Resp: 4293

Ion Ratio Lower Upper

228 100

226 29.6 20.6 31.0

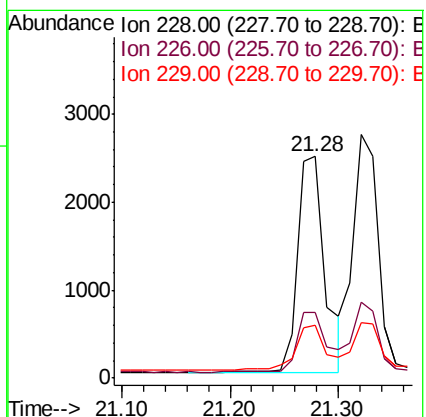
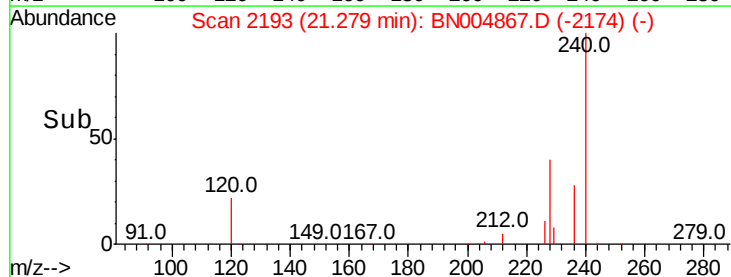
229 23.9 16.2 24.4

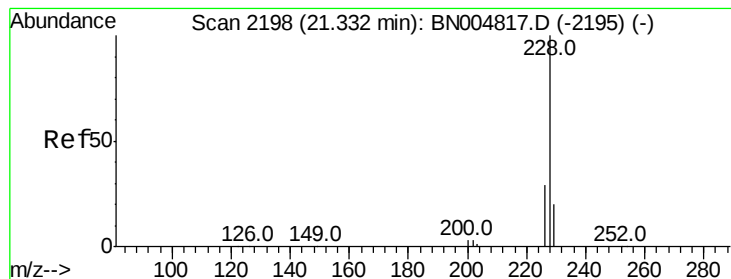


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.069 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

ClientSampleId :

PST-027-B108-030619

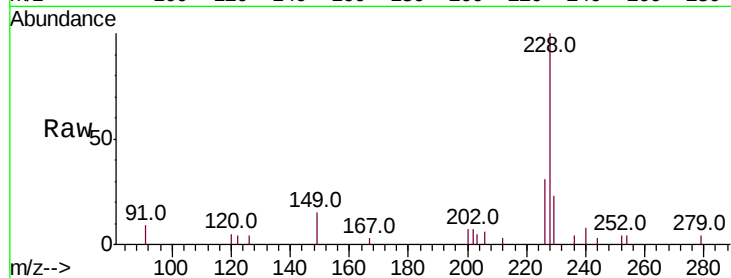
Tot Ion:228 Resp: 4314

Ion Ratio Lower Upper

228 100

226 31.3 23.0 34.6

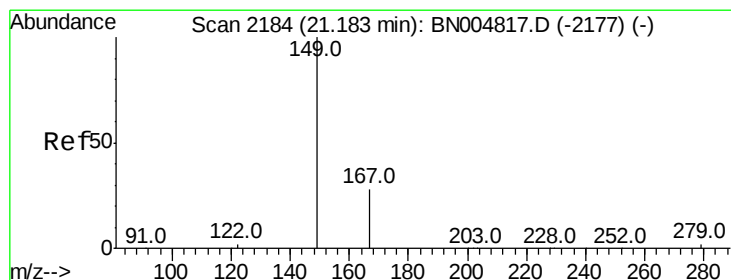
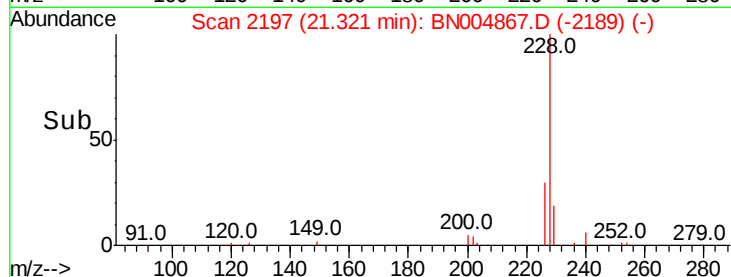
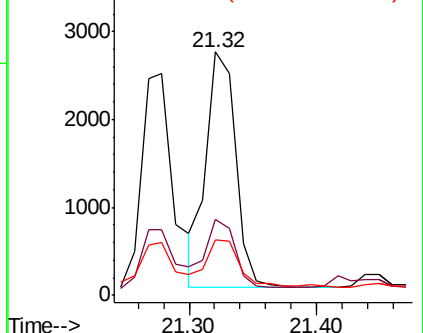
229 22.5 16.2 24.2



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: 0.042 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

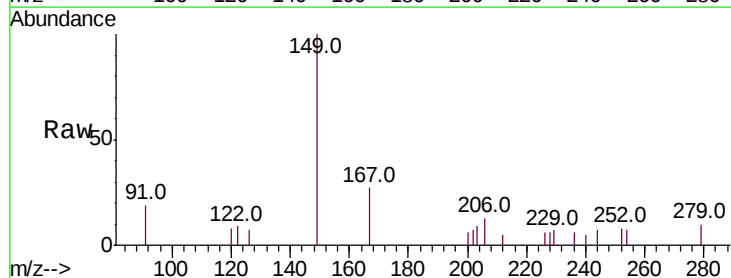
Tgt Ion:149 Resp: 1006

Ion Ratio Lower Upper

149 100

167 26.7 23.0 34.4

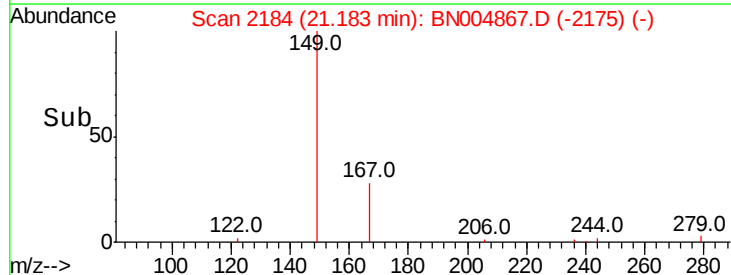
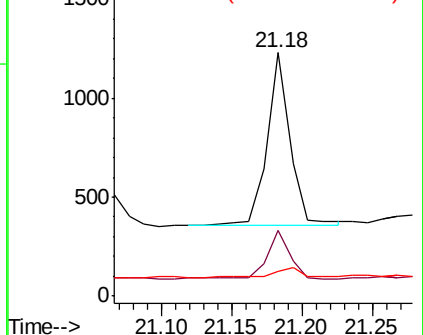
279 8.6 4.6 6.8#

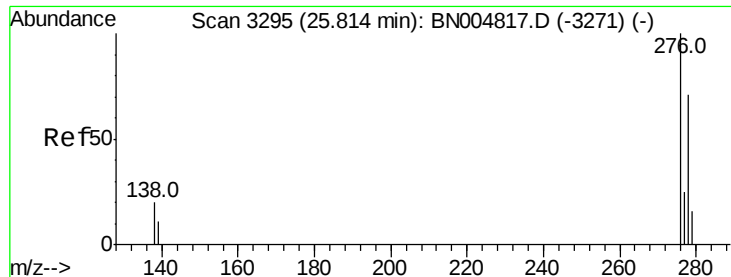


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.034 ng

RT: 25.82 min Scan# 3296

Delta R.T. 0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

ClientSampleId :

PST-027-B108-030619

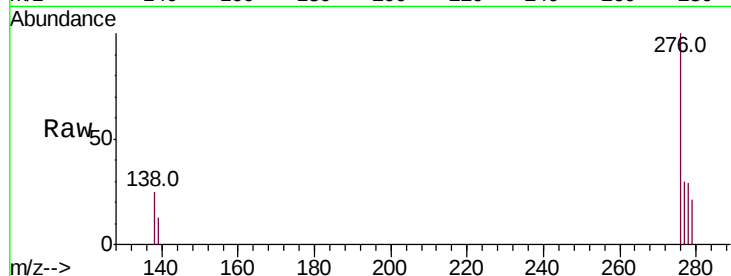
Tot Ion:276 Resp: 3055

Ion Ratio Lower Upper

276 100

138 19.3 16.6 24.8

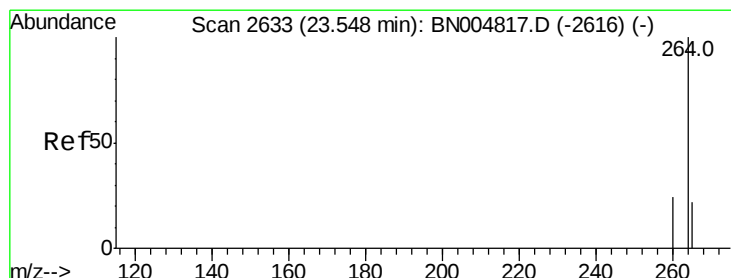
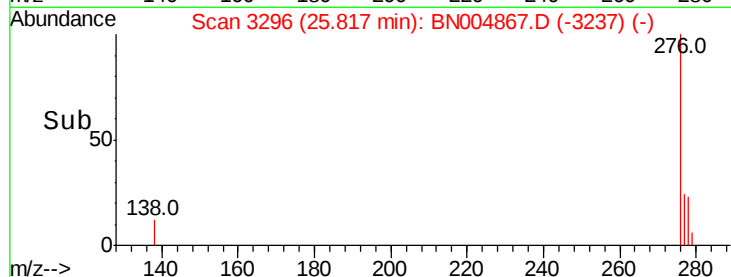
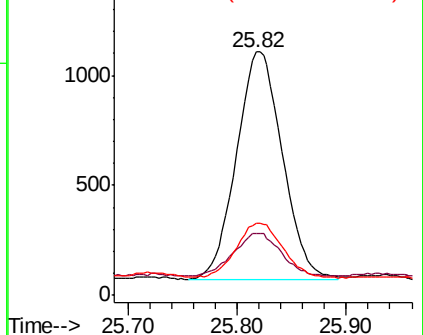
277 24.0 20.3 30.5



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: BN004867.D

Acq: 22 Mar 2019 01:16

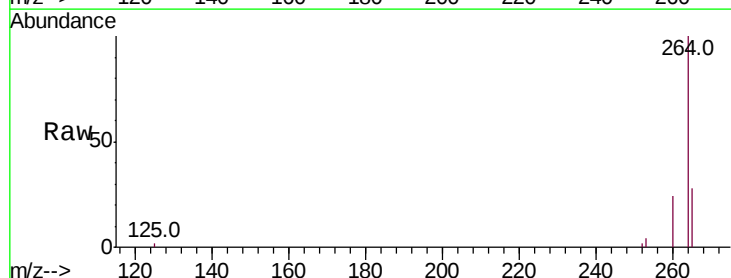
Tgt Ion:264 Resp: 20197

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

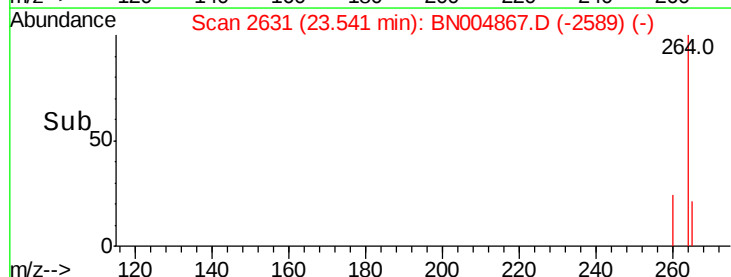
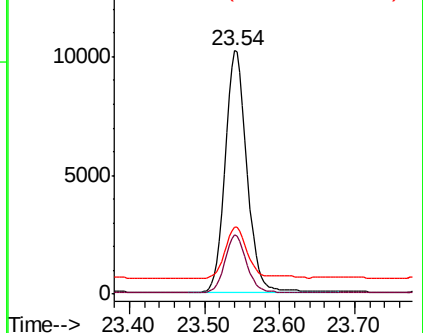
265 27.7 23.1 34.7

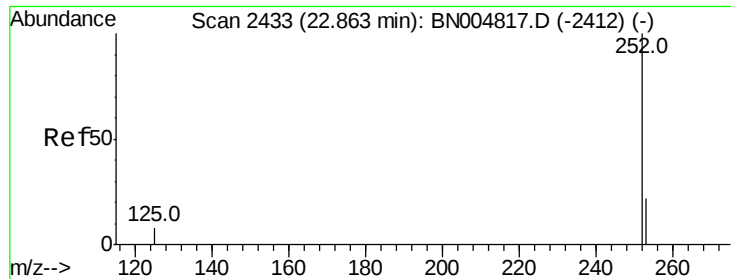


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

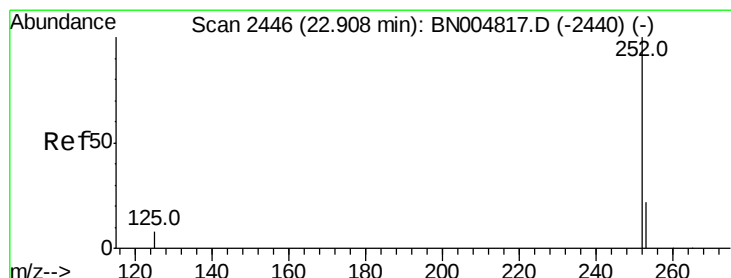
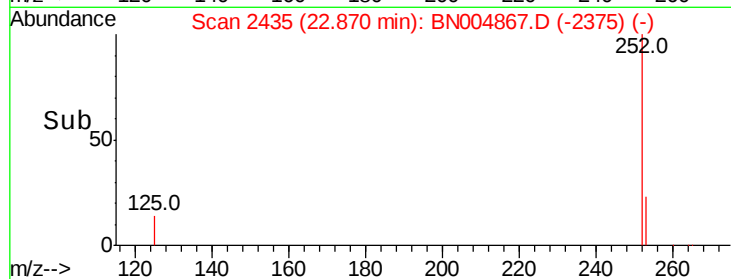
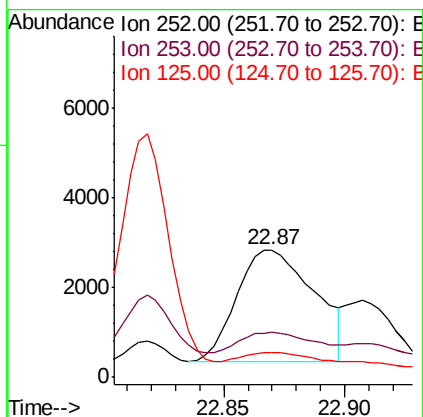
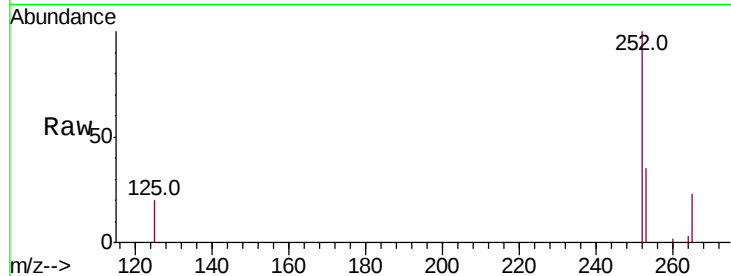




#35
Benzo(b)fluoranthene
Concen: 0.076 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

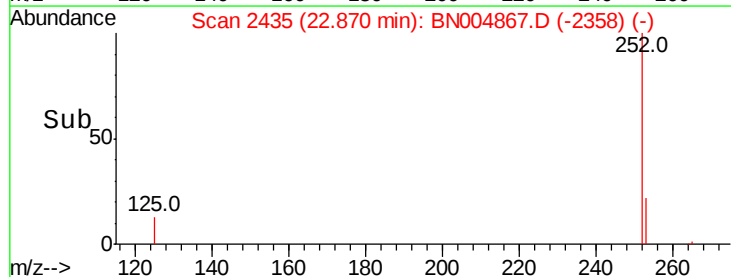
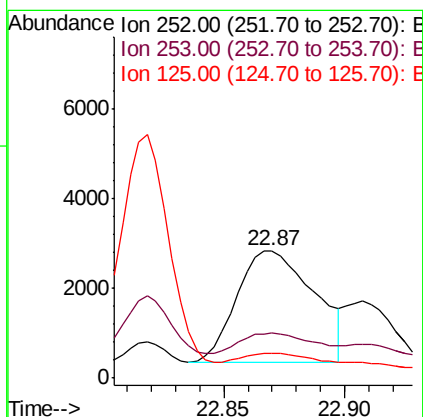
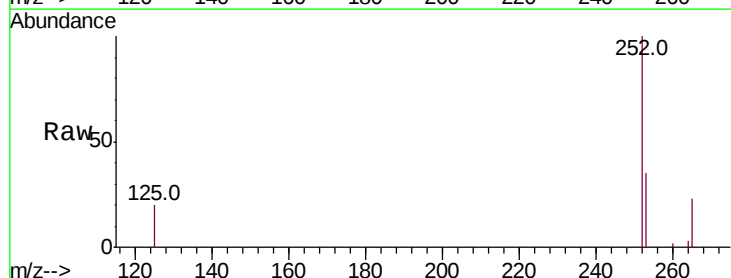
Instrument :
BNA_N
ClientSampleId :
PST-027-B108-030619

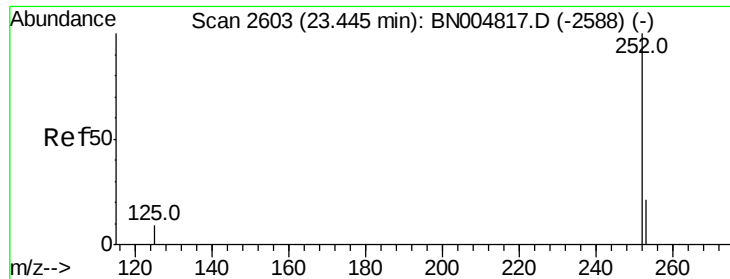
Tot Ion:252 Resp: 5585
Ion Ratio Lower Upper
252 100
253 35.4 19.0 28.4#
125 19.6 7.4 11.2#



#36
Benzo(k)fluoranthene
Concen: 0.078 ng
RT: 22.87 min Scan# 2435
Delta R.T. -0.04 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Tgt Ion:252 Resp: 5585
Ion Ratio Lower Upper
252 100
253 35.4 19.3 28.9#
125 19.6 7.4 11.0#





#37

Benzo(a)pyrene

Concen: 0.065 ng

RT: 23.44 min Scan# 2603

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

ClientSampleId :

PST-027-B108-030619

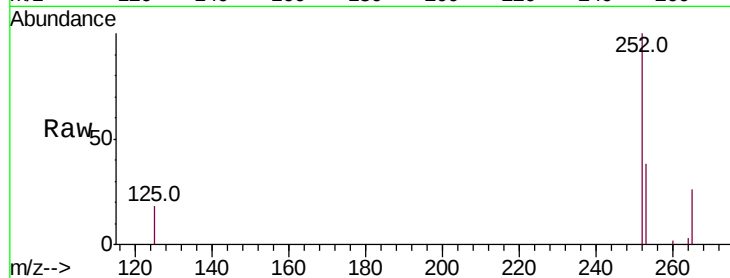
Tot Ion:252 Resp: 4348

Ion Ratio Lower Upper

252 100

253 37.6 19.7 29.5#

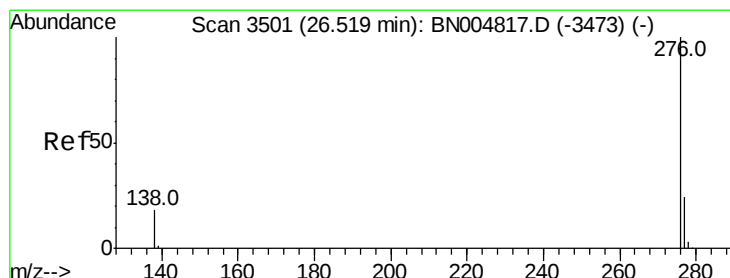
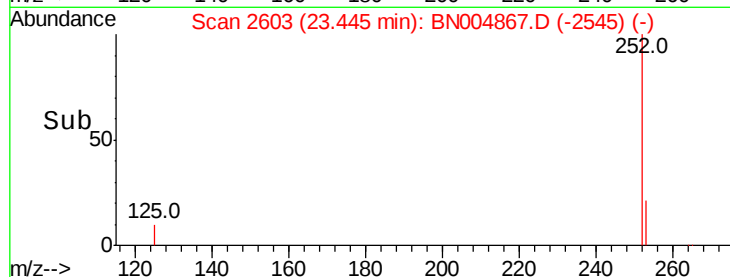
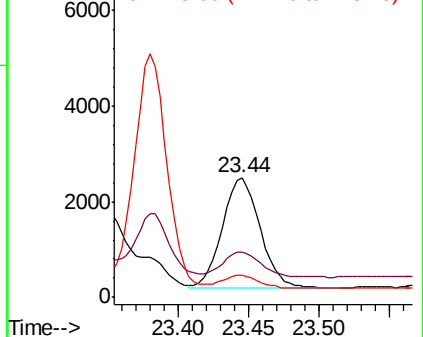
125 18.2 8.3 12.5#



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



#39

Benzo(g,h,i)perylene

Concen: 0.038 ng

RT: 26.52 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

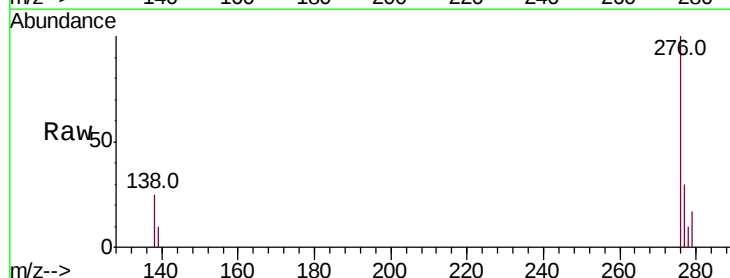
Tgt Ion:276 Resp: 3026

Ion Ratio Lower Upper

276 100

277 30.1 19.7 29.5#

138 25.3 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

