

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004862.D
 Acq On : 21 Mar 2019 22:20
 Operator : JU/SJ
 Sample : K1817-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-SW011-030619

Quant Time: Mar 22 02:02:46 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	1806	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	8230	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	5431	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	14498	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19829	0.40	ng	0.00
34) Perylene-d12	23.54	264	21966	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	1771	0.36	ng	0.00
5) Phenol-d6	6.87	99	2313	0.38	ng	0.00
8) Nitrobenzene-d5	8.87	82	1621	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4439	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1236	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	6979	0.31	ng	0.00
25) Fluoranthene-d10	19.13	212	14087	0.29	ng	0.00
29) Terphenyl-d14	19.73	244	11770	0.29	ng	0.00

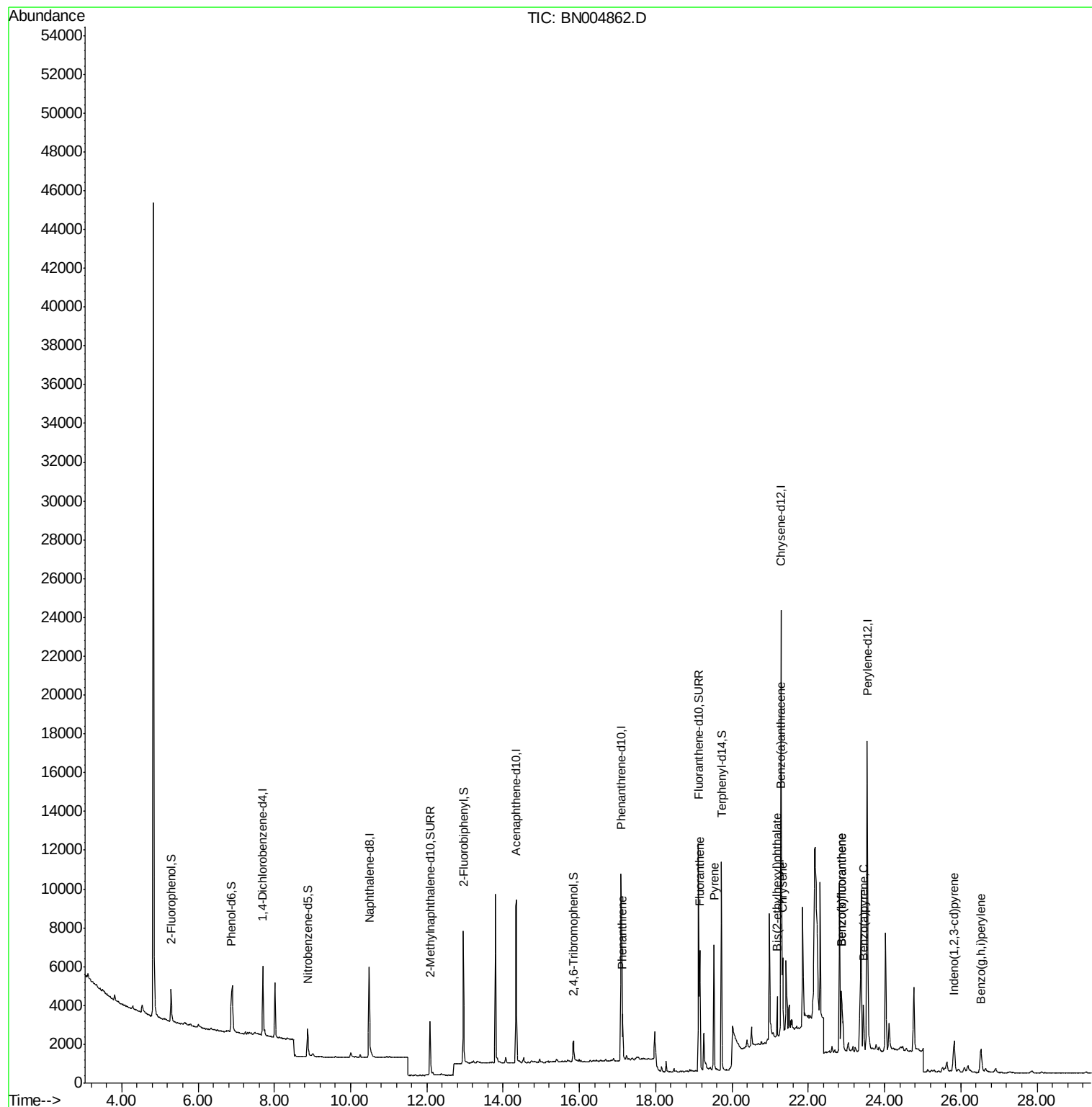
Target Compounds				Qvalue		
23) Phenanthrene	17.13	178	2448	0.052	ng	97
26) Fluoranthene	19.16	202	5567	0.093	ng	# 96
28) Pyrene	19.53	202	5973	0.099	ng	97
30) Benzo(a)anthracene	21.28	228	2996	0.046	ng	# 90
31) Chrysene	21.33	228	3584	0.052	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.18	149	1932	0.074	ng	97
33) Indeno(1,2,3-cd)pyrene	25.82	276	2549	0.026	ng	96
35) Benzo(b)fluoranthene	22.87	252	4198	0.053	ng	# 59
36) Benzo(k)fluoranthene	22.87	252	4198	0.054	ng	# 60
37) Benzo(a)pyrene	23.45	252	3217	0.044	ng	# 62
39) Benzo(a,h,i)perylene	26.53	276	2685	0.031	ng	# 84

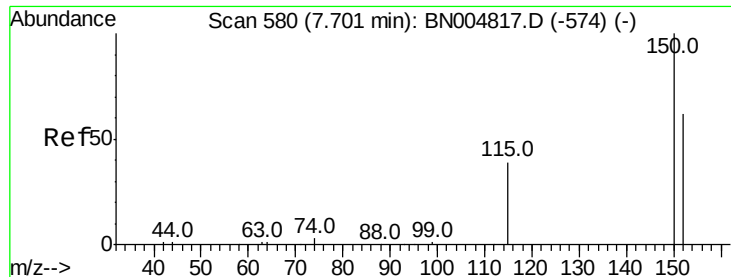
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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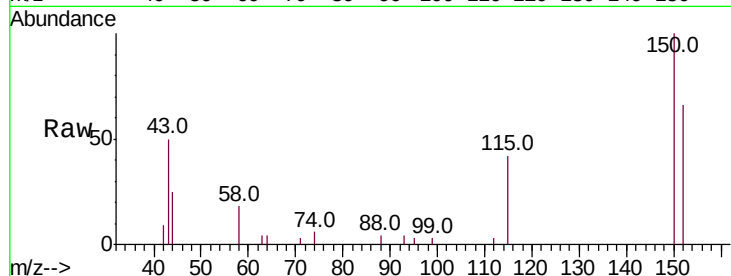


#1

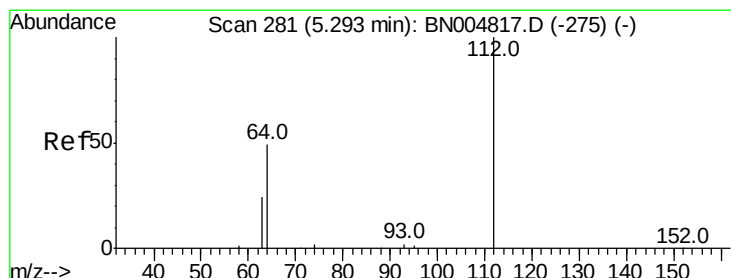
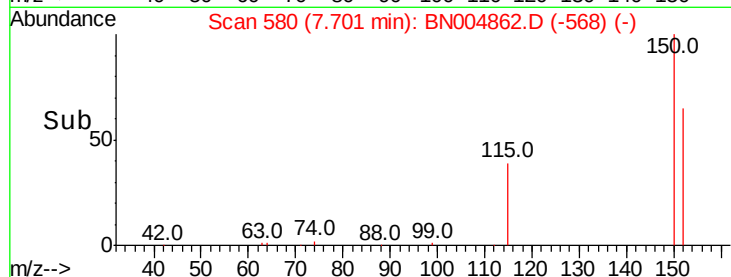
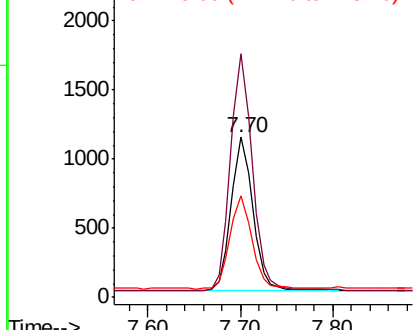
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Instrument :
BNA_N
ClientSampleId :
PST-028-SW011-030619

Tot Ion:152 Resp: 1806
Ion Ratio Lower Upper
152 100
150 152.0 126.2 189.4
115 63.2 52.6 79.0



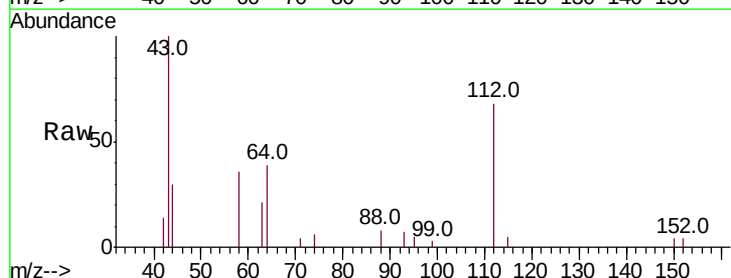
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



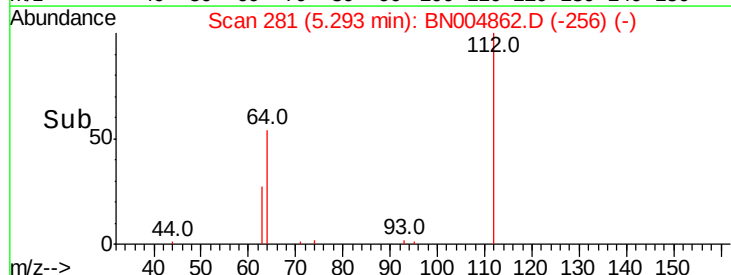
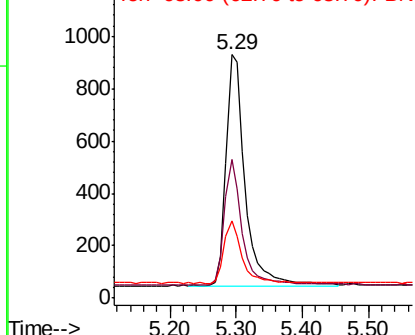
#4

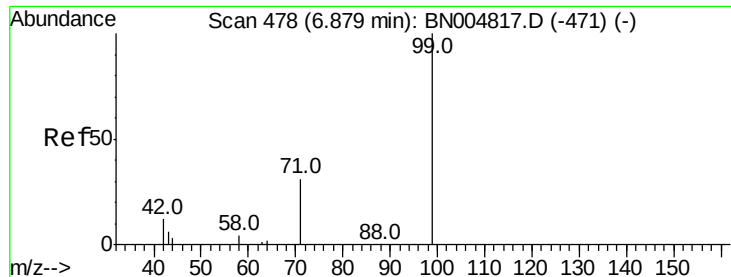
2-Fluorophenol
Concen: 0.361 ng
RT: 5.29 min Scan# 281
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Tgt Ion:112 Resp: 1771
Ion Ratio Lower Upper
112 100
64 50.1 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: 0.378 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

ClientSampleId :

PST-028-SW011-030619

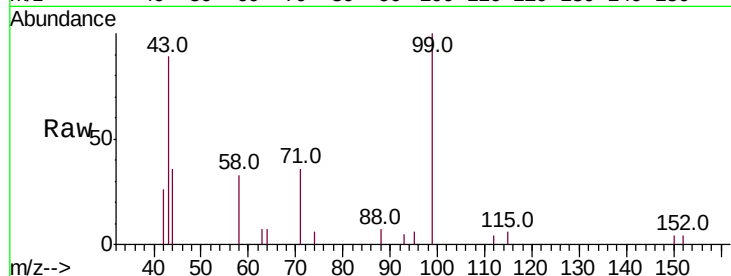
Tot Ion: 99 Resp: 2313

Ion Ratio Lower Upper

99 100

42 21.1 12.7 19.1#

71 31.1 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

1500

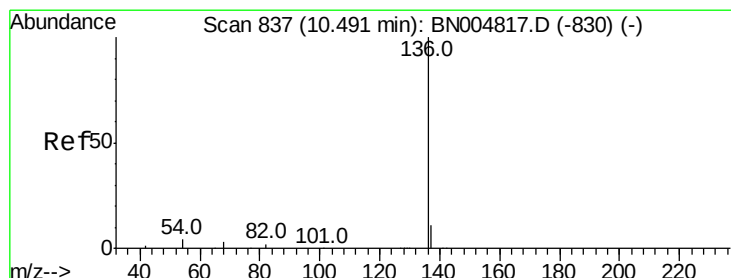
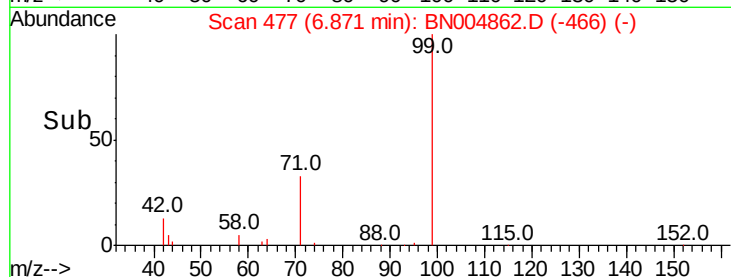
1000

500

0

6.80 6.90 7.00

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Tgt Ion: 136 Resp: 8230

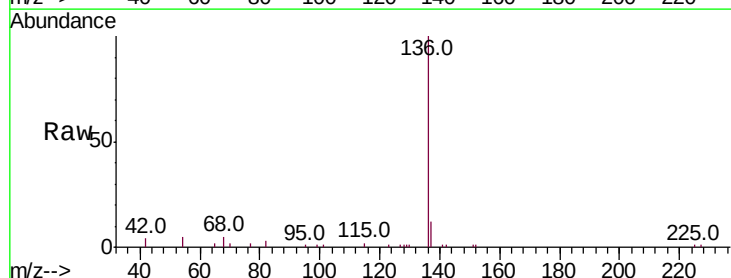
Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 5.2 4.2 6.2

68 4.7 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) (-)

6000

5000

4000

3000

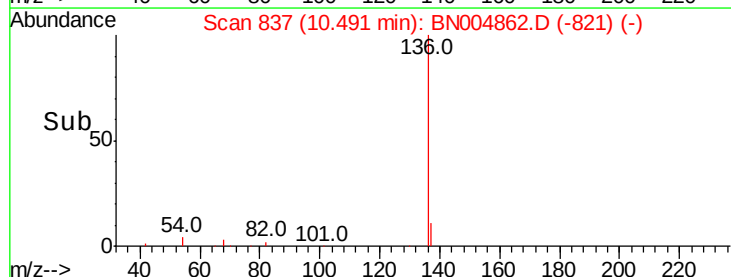
2000

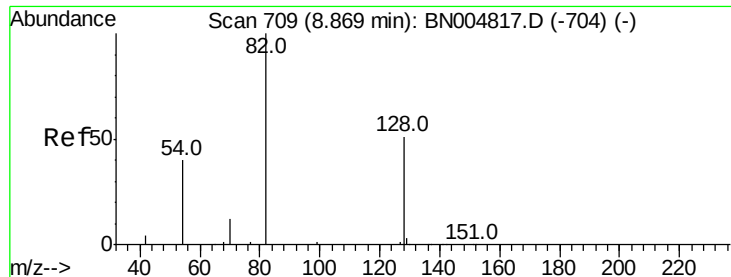
1000

0

10.40 10.60

Time-->





#8

Nitrobenzene-d5

Concen: 0.298 ng

RT: 8.87 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

ClientSampleId :

PST-028-SW011-030619

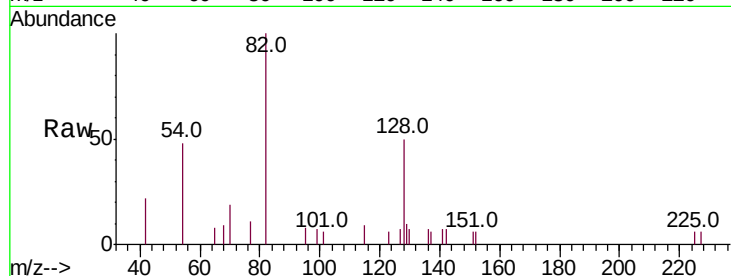
Tot Ion: 82 Resp: 1621

Ion Ratio Lower Upper

82 100

128 49.7 43.0 64.6

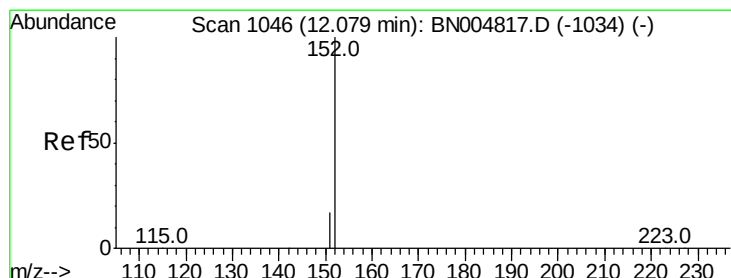
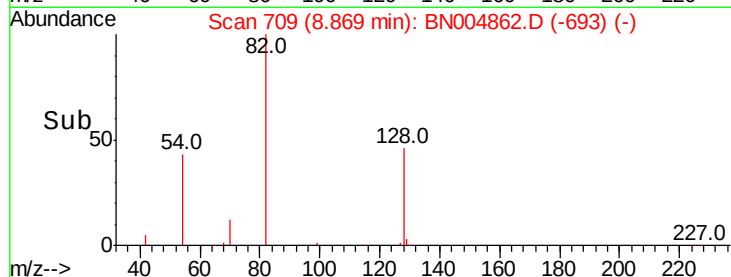
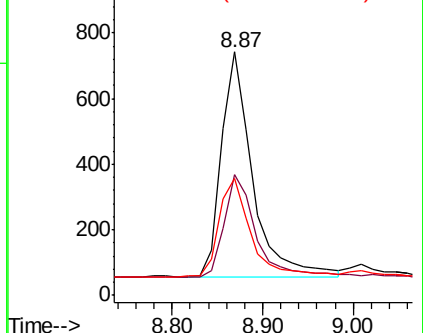
54 47.8 35.3 52.9



Abundance Ion 82.00 (81.70 to 82.70): BN004862.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004862.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004862.D (-693) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.309 ng

RT: 12.08 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BN004862.D

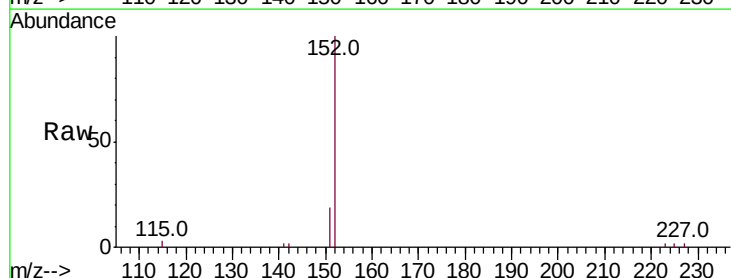
Acq: 21 Mar 2019 22:20

Tgt Ion: 152 Resp: 4439

Ion Ratio Lower Upper

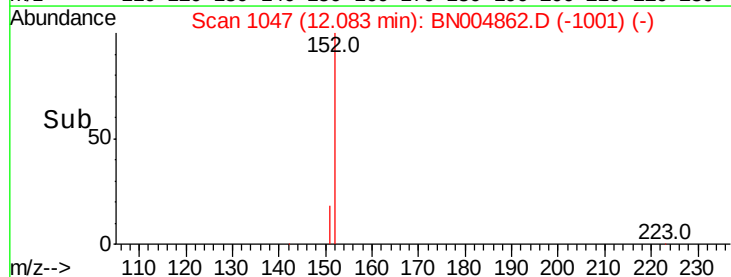
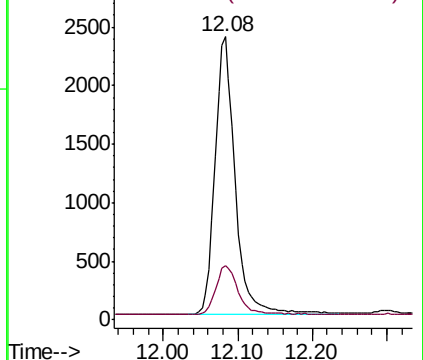
152 100

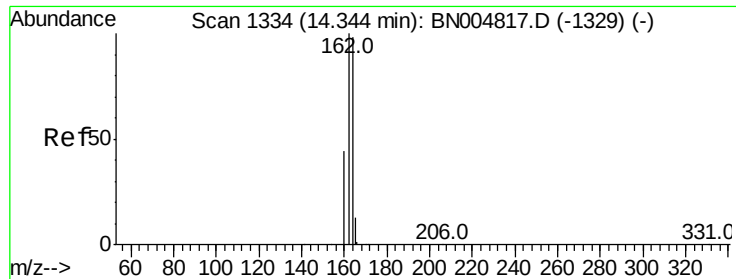
151 19.3 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004862.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004862.D (-1001) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

ClientSampleId :

PST-028-SW011-030619

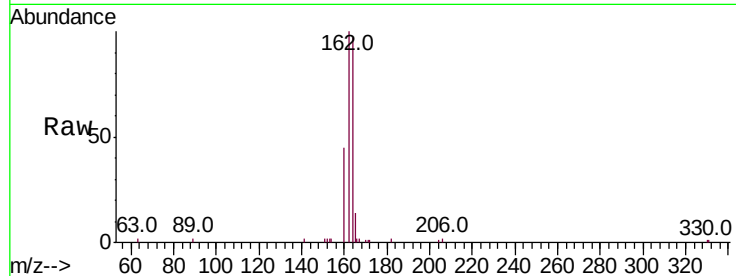
Tot Ion:164 Resp: 5431

Ion Ratio Lower Upper

164 100

162 102.8 81.9 122.9

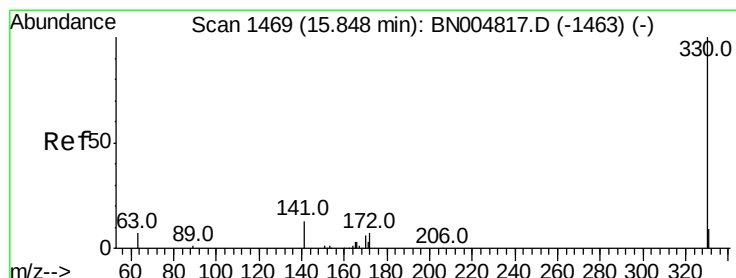
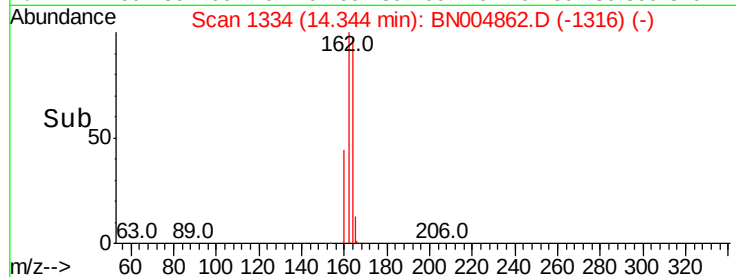
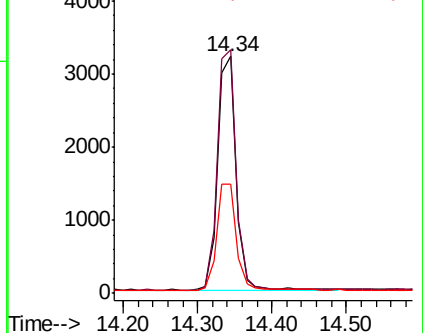
160 46.2 36.6 54.8



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: 0.330 ng

RT: 15.85 min Scan# 1469

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

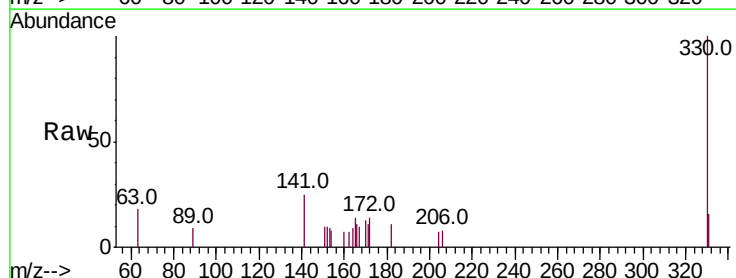
Tgt Ion:330 Resp: 1236

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

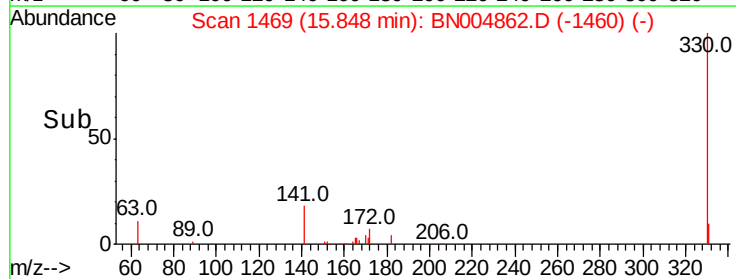
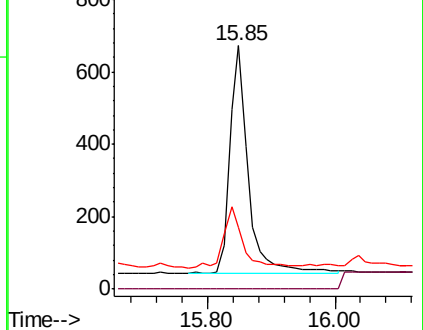
141 29.6 20.9 31.3

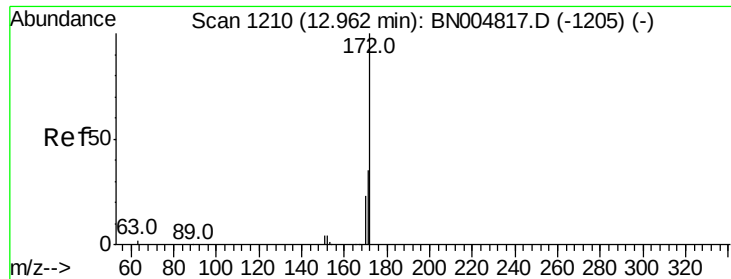


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

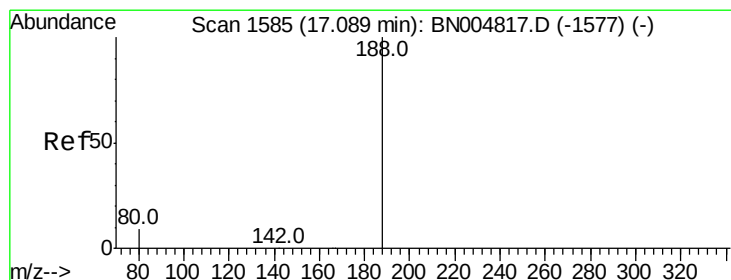
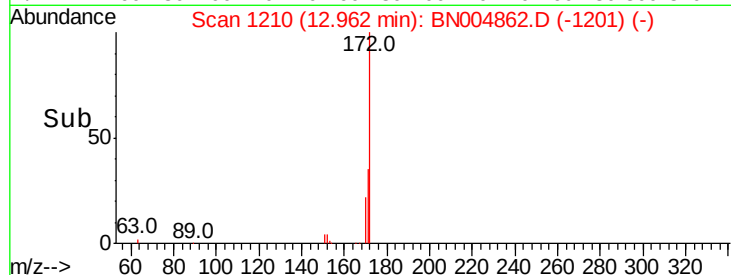
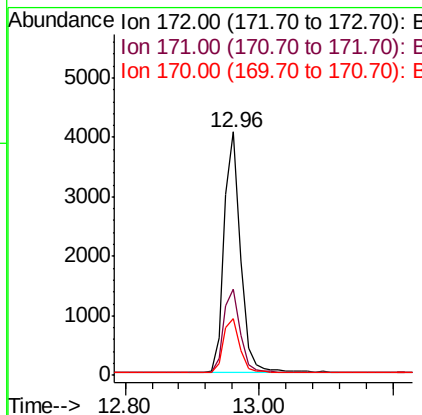
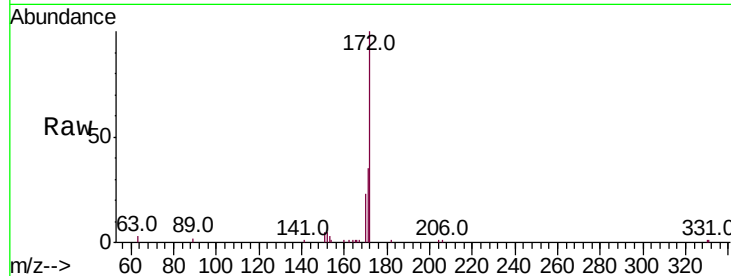




#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 12.96 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

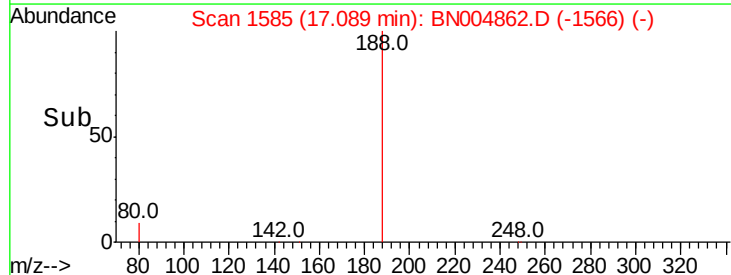
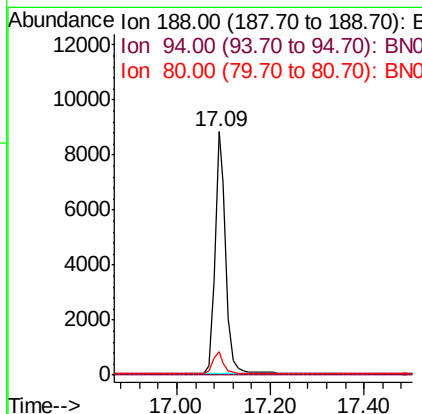
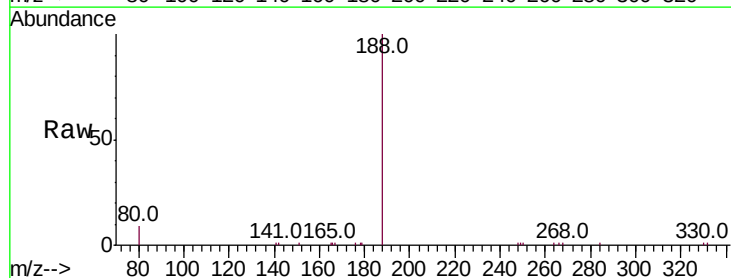
Instrument :
BNA_N
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PST-028-SW011-030619

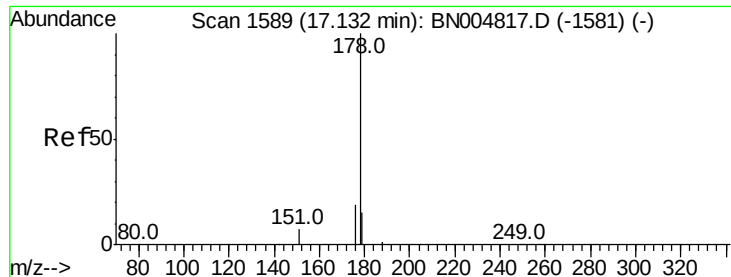
Tot Ion:172 Resp: 6979
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 23.0 18.7 28.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Tgt Ion:188 Resp: 14498
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.5 7.4 11.2





#23

Phenanthrene

Concen: 0.052 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

ClientSampleId :

PST-028-SW011-030619

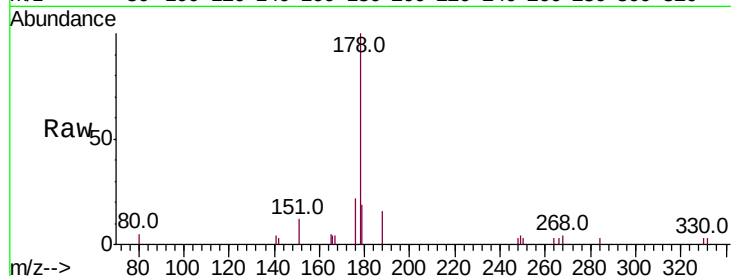
Tot Ion:178 Resp: 2448

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

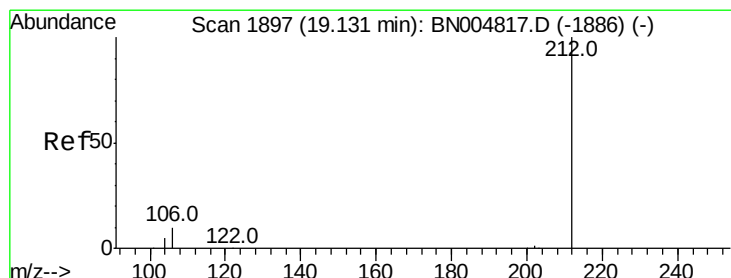
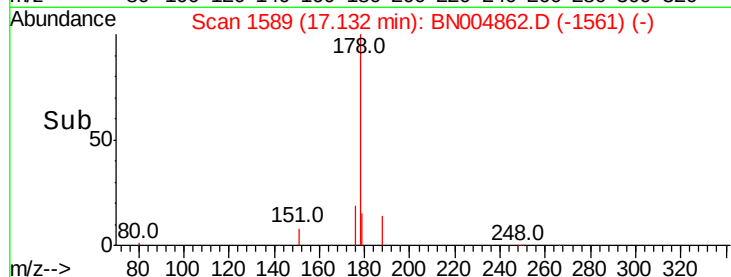
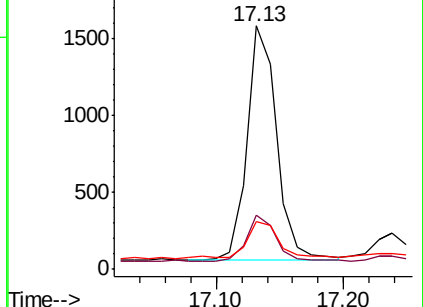
179 17.6 12.1 18.1



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: 0.290 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

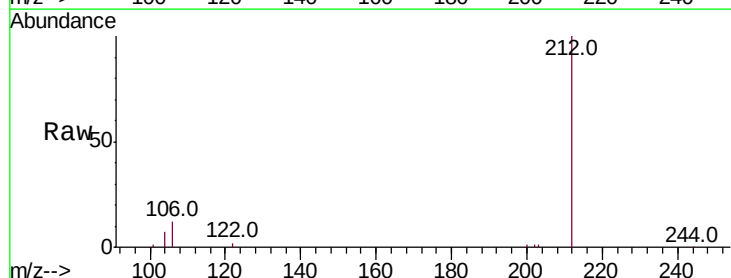
Tgt Ion:212 Resp: 14087

Ion Ratio Lower Upper

212 100

106 11.4 8.6 13.0

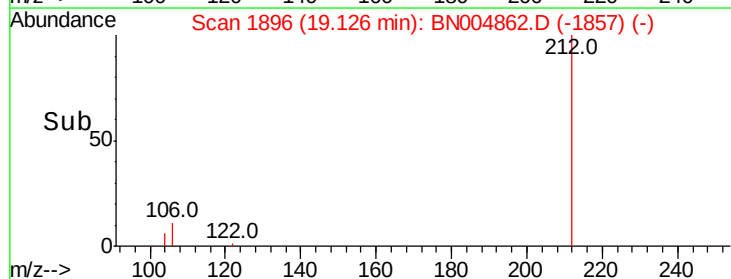
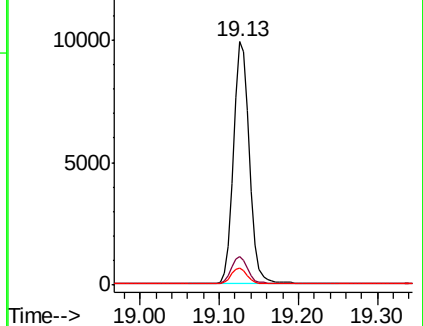
104 6.4 4.7 7.1

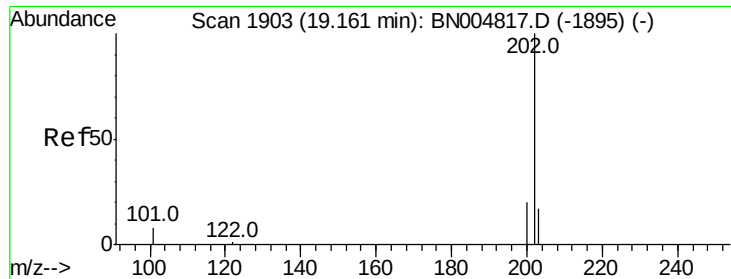


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

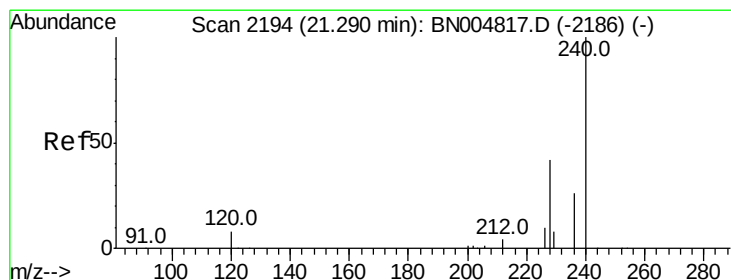
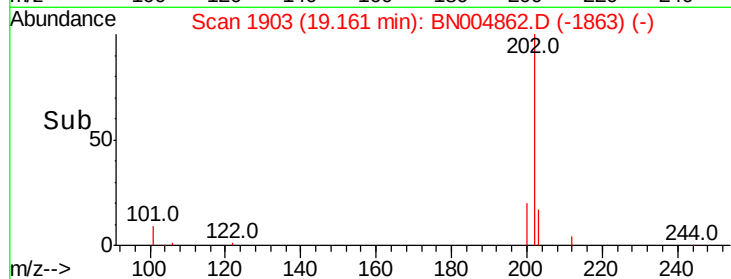
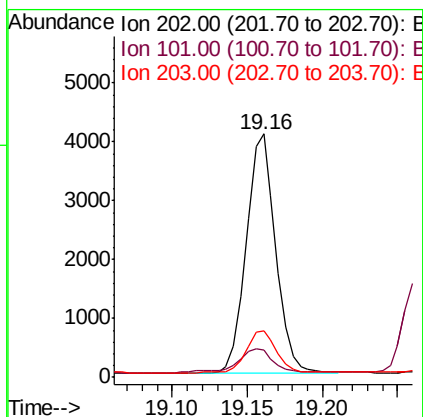
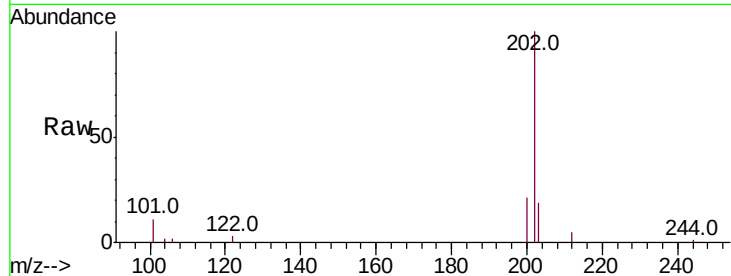




#26
Fluoranthene
Concen: 0.093 ng
RT: 19.16 min Scan# 1903
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

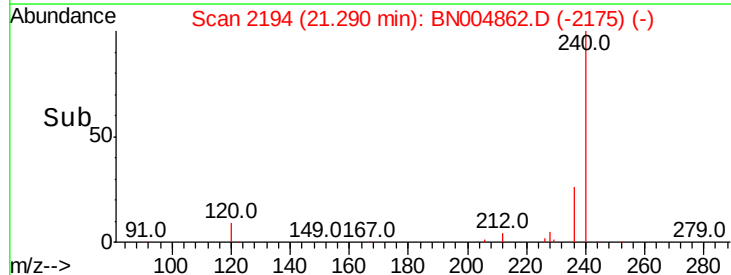
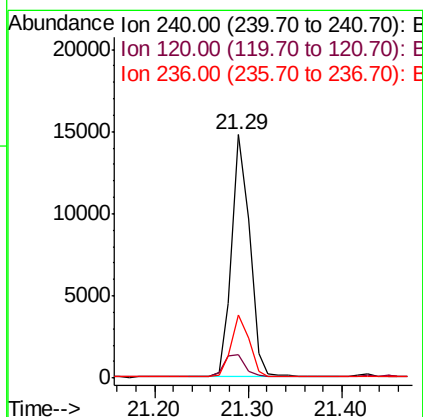
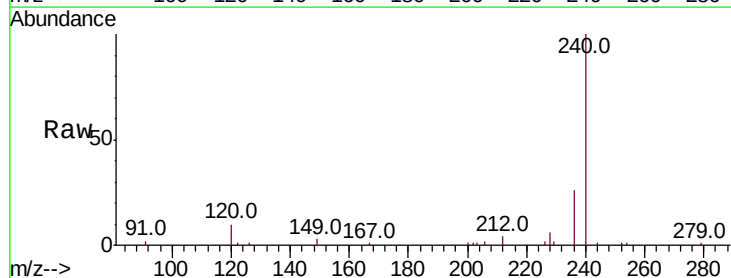
Instrument :
BNA_N
ClientSampleId :
PST-028-SW011-030619

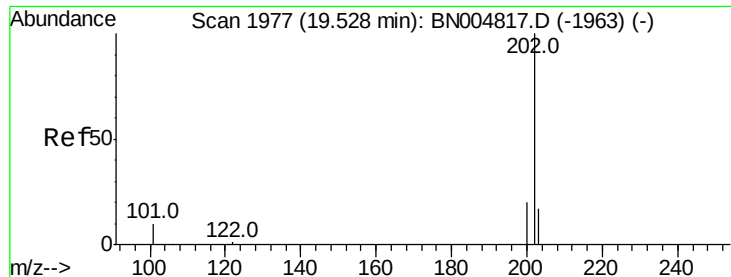
Tot Ion:202 Resp: 5567
Ion Ratio Lower Upper
202 100
101 12.5 7.5 11.3#
203 17.7 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Tgt Ion:240 Resp: 19829
Ion Ratio Lower Upper
240 100
120 9.9 7.2 10.8
236 26.2 20.9 31.3





#28

Pvrene

Concen: 0.099 ng

RT: 19.53 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

ClientSampleId :

PST-028-SW011-030619

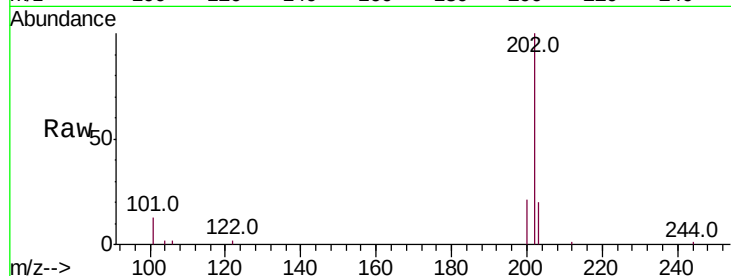
Tot Ion:202 Resp: 5973

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

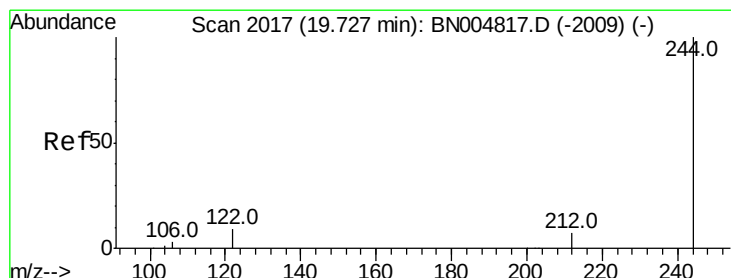
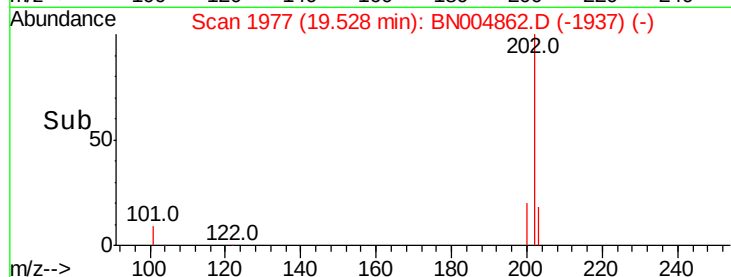
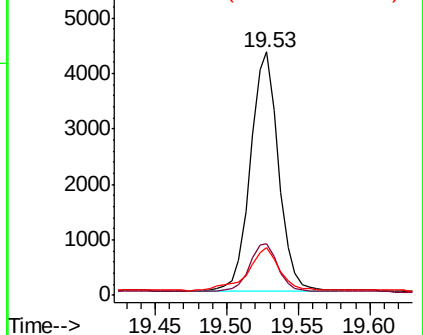
203 20.2 14.0 21.0



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: 0.290 ng

RT: 19.73 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

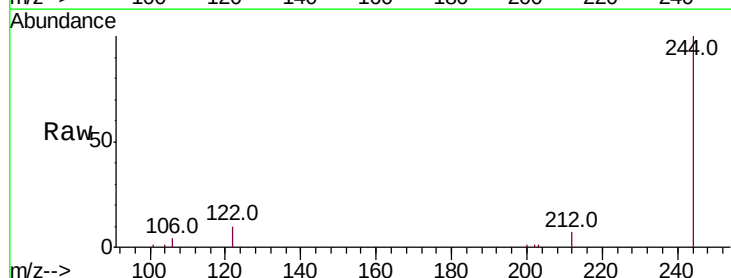
Tgt Ion:244 Resp: 11770

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

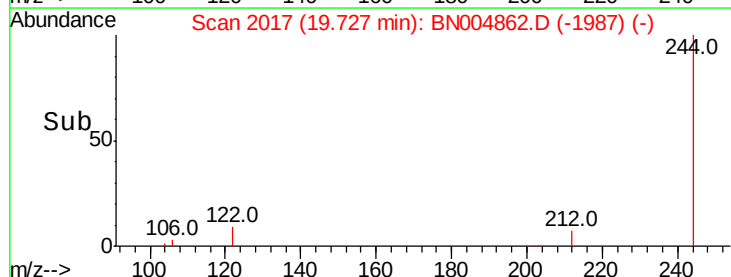
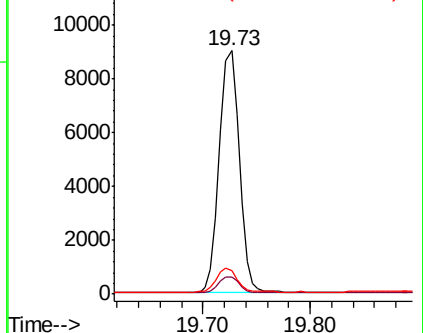
122 9.6 7.9 11.9

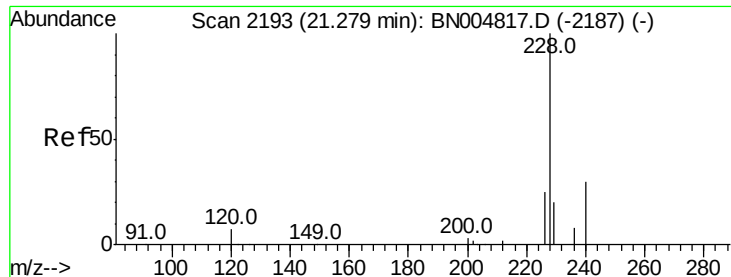


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.046 ng

RT: 21.28 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

ClientSampleId :

PST-028-SW011-030619

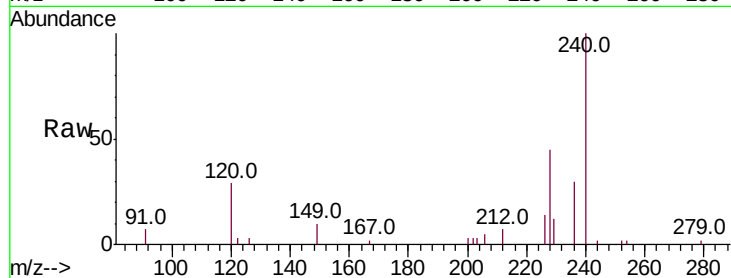
Tot Ion:228 Resp: 2996

Ion Ratio Lower Upper

228 100

226 29.9 20.6 31.0

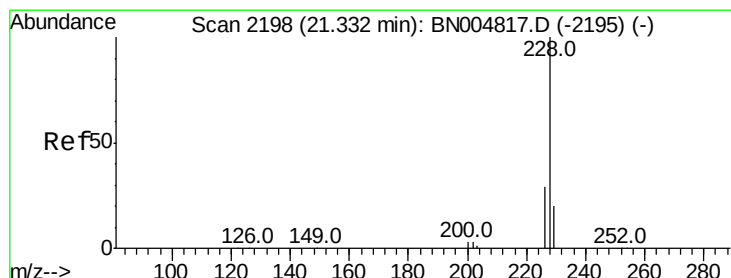
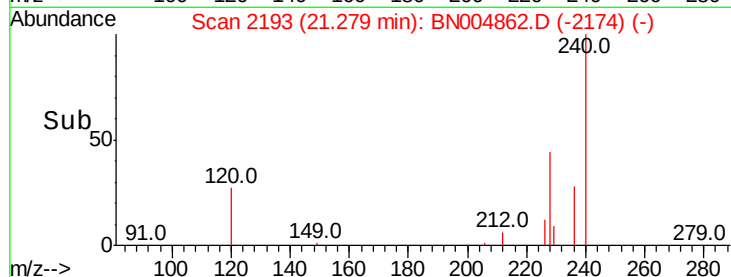
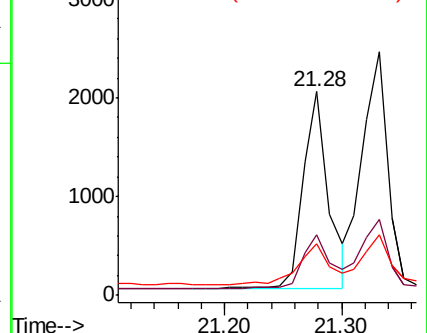
229 25.6 16.2 24.4#



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: 0.052 ng

RT: 21.33 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

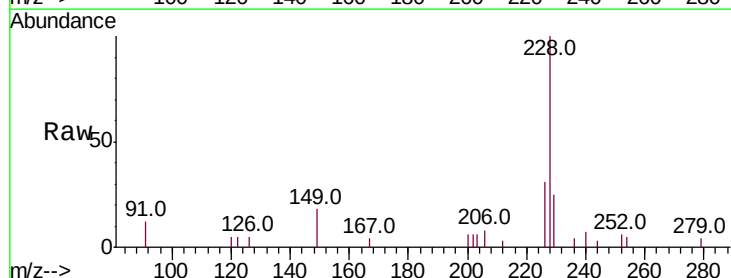
Tgt Ion:228 Resp: 3584

Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.6

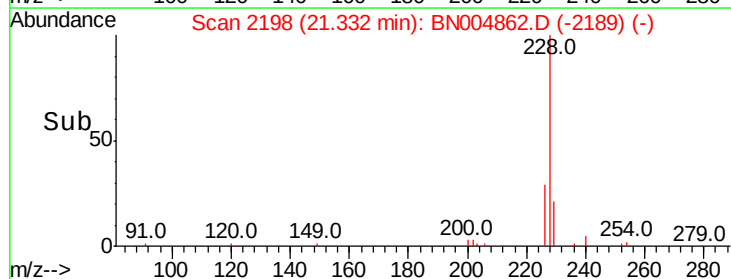
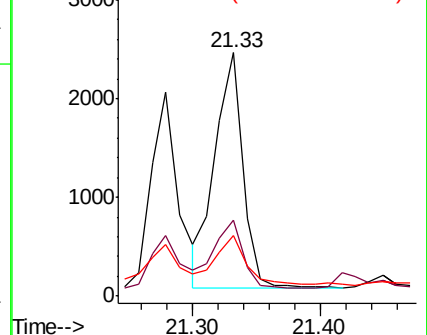
229 25.0 16.2 24.2#

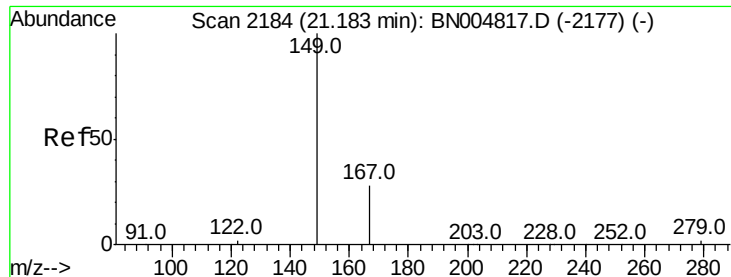


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.074 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

ClientSampleId :

PST-028-SW011-030619

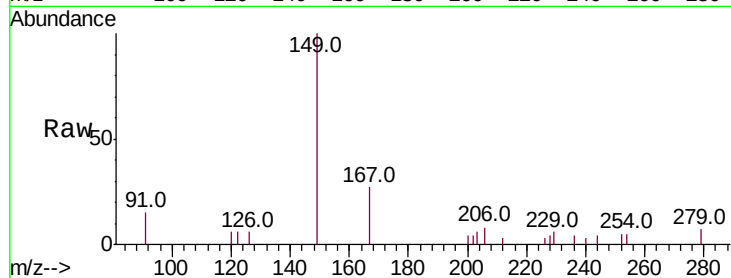
Tot Ion:149 Resp: 1932

Ion Ratio Lower Upper

149 100

167 26.7 23.0 34.4

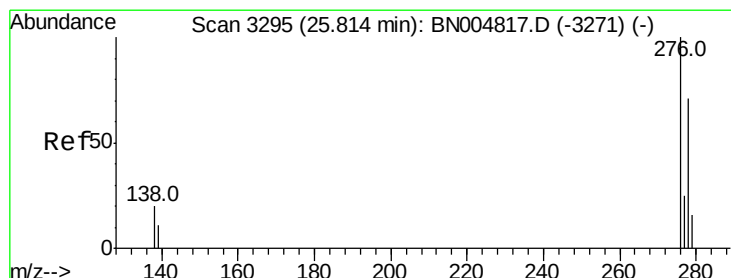
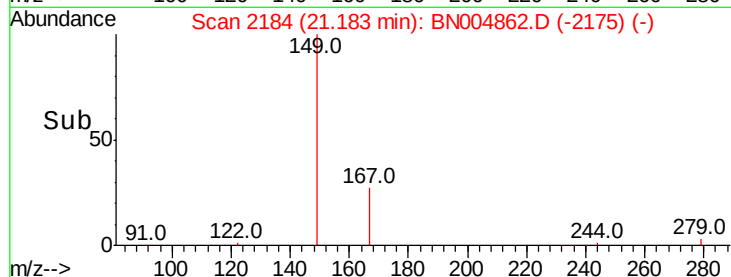
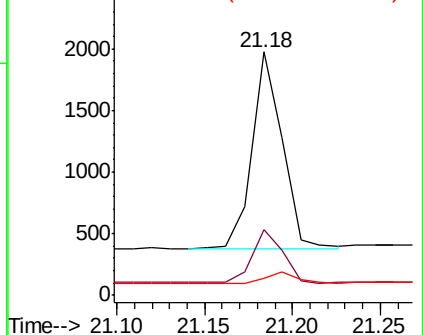
279 6.1 4.6 6.8



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: 0.026 ng

RT: 25.82 min Scan# 3298

Delta R.T. 0.01 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

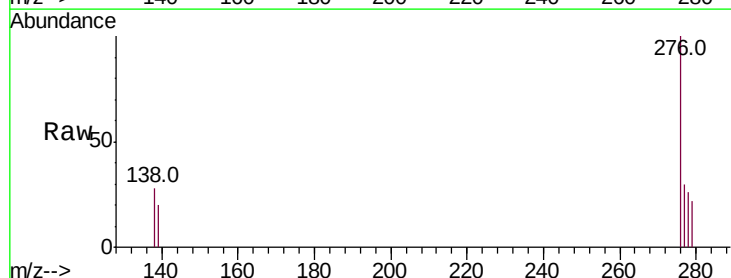
Tgt Ion:276 Resp: 2549

Ion Ratio Lower Upper

276 100

138 23.9 16.6 24.8

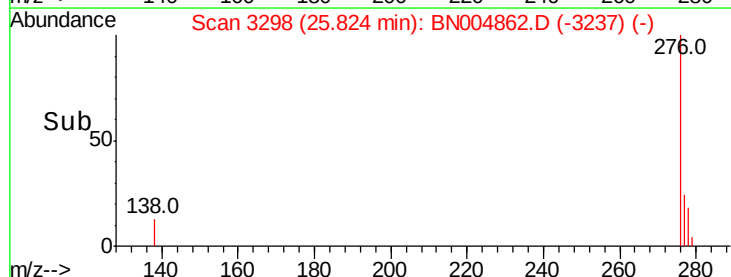
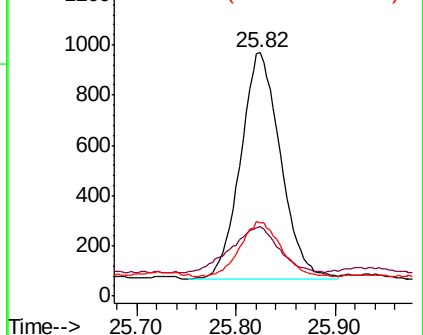
277 24.6 20.3 30.5

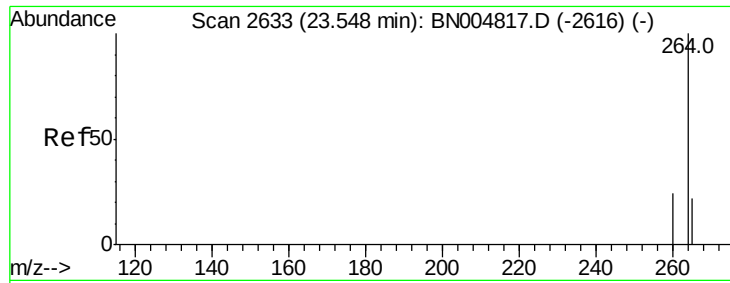


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



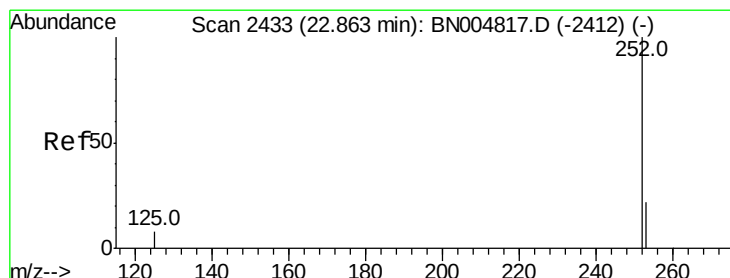
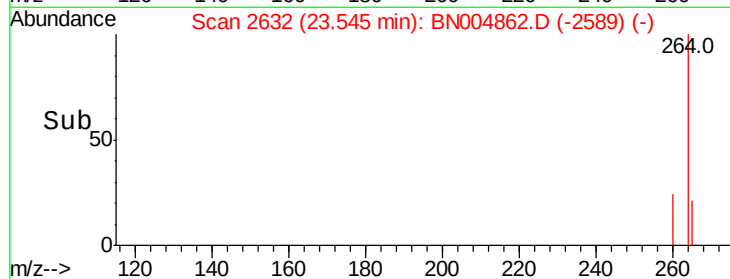
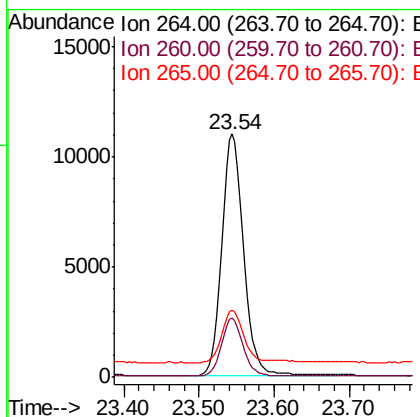
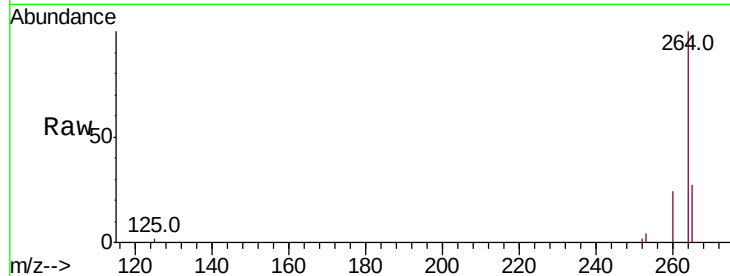


#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2632
Delta R.T. -0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Instrument :
BNA_N
ClientSampleId :
PST-028-SW011-030619

Tot Ion:264 Resp: 21966

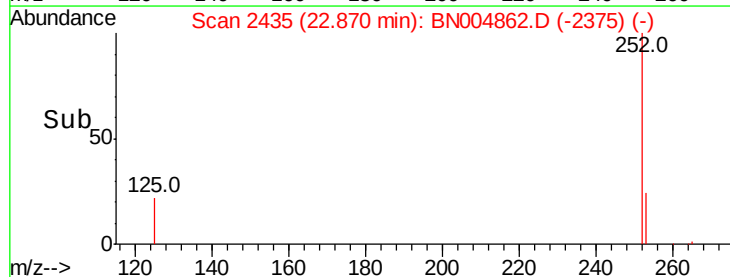
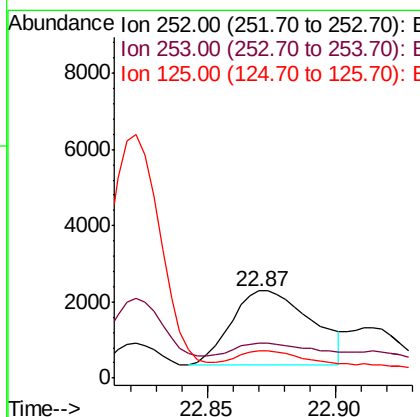
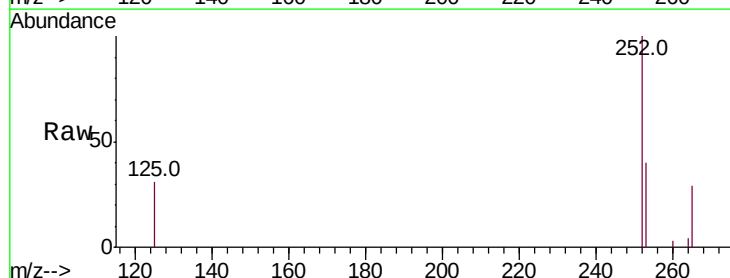
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	27.3	23.1	34.7

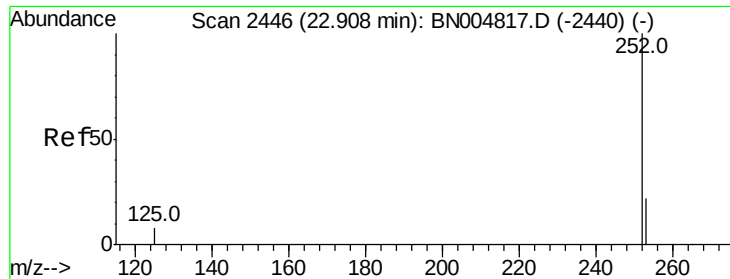


#35
Benzo(b)fluoranthene
Concen: 0.053 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Tgt Ion:252 Resp: 4198

Ion	Ratio	Lower	Upper
252	100		
253	40.2	19.0	28.4#
125	30.8	7.4	11.2#





#36

Benzo(k)fluoranthene

Concen: 0.054 ng

RT: 22.87 min Scan# 2435

Delta R.T. -0.04 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

ClientSampleId :

PST-028-SW011-030619

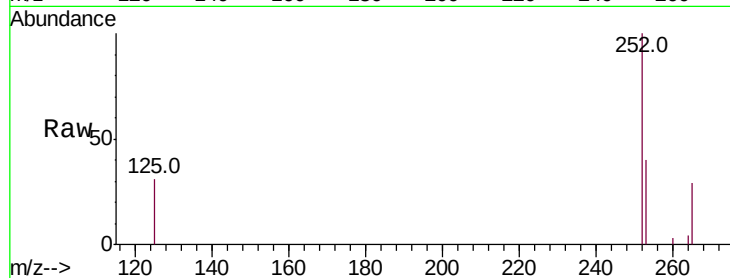
Tot Ion:252 Resp: 4198

Ion Ratio Lower Upper

252 100

253 40.2 19.3 28.9#

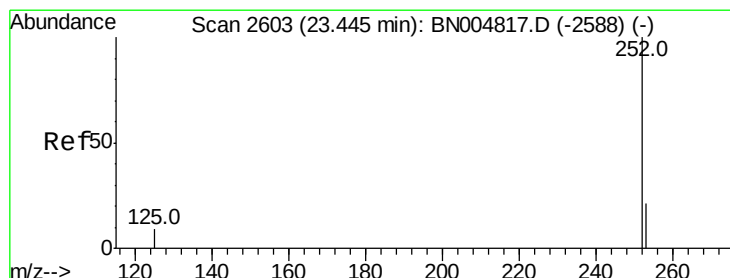
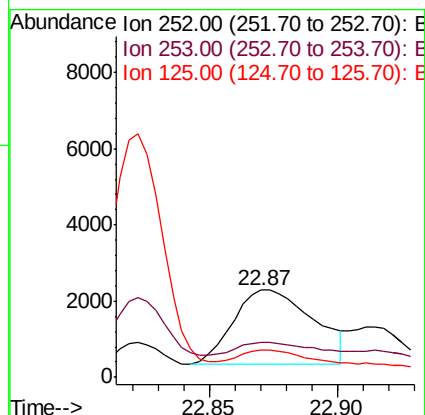
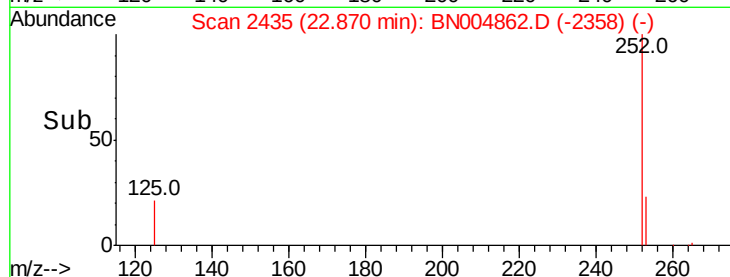
125 30.8 7.4 11.0#



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: 0.044 ng

RT: 23.45 min Scan# 2604

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

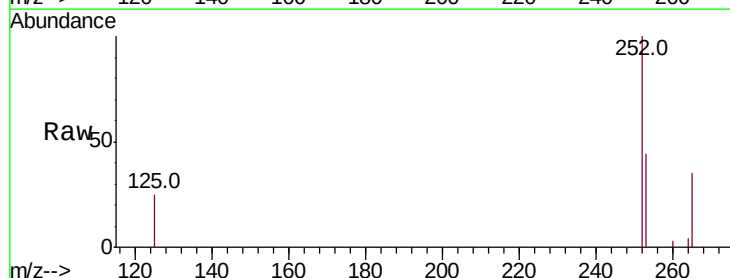
Tgt Ion:252 Resp: 3217

Ion Ratio Lower Upper

252 100

253 43.6 19.7 29.5#

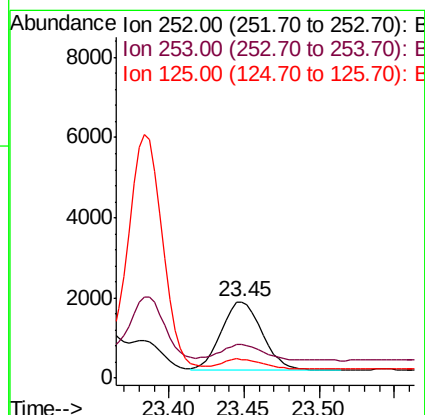
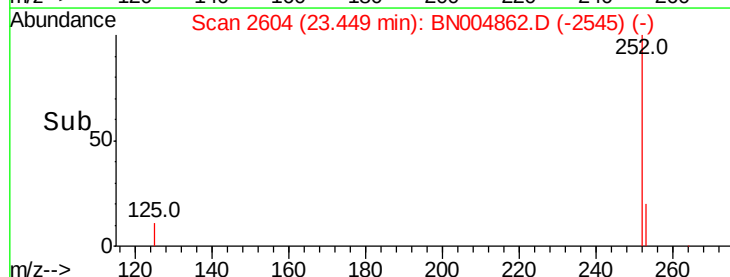
125 24.8 8.3 12.5#

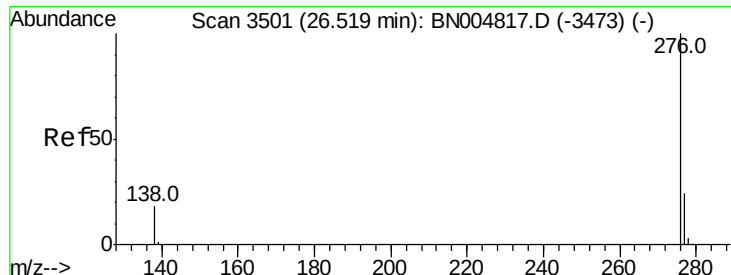


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.031 ng

RT: 26.53 min Scan# 3503

Delta R.T. 0.01 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

ClientSampleId :

PST-028-SW011-030619

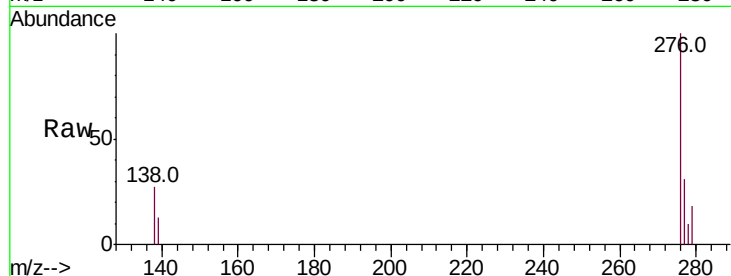
Tot Ion:276 Resp: 2685

Ion Ratio Lower Upper

276 100

277 30.9 19.7 29.5#

138 27.4 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

