

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081419\
 Data File : BN007183.D
 Acq On : 15 Aug 2019 03:05
 Operator : HP/JU
 Sample : K4282-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 15 11:05:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 13 12:12:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	7860	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	28868	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	15456	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	34778	0.40	ng	0.00
26) Chrysene-d12	21.03	240	34982	0.40	ng	-0.02
32) Perylene-d12	23.15	264	39736	0.40	ng	-0.02

System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	4237	0.22	ng	0.00
4) Phenol-d6	6.61	99	5581	0.24	ng	0.00
7) Nitrobenzene-d5	8.55	82	4764	0.20	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	9001	0.17	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	258	0.03	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1362	0.06	ng	0.00
24) Fluoranthene-d10	18.86	212	16785	0.14	ng	0.00
28) Terphenyl-d14	19.48	244	11750	0.12	ng	-0.01

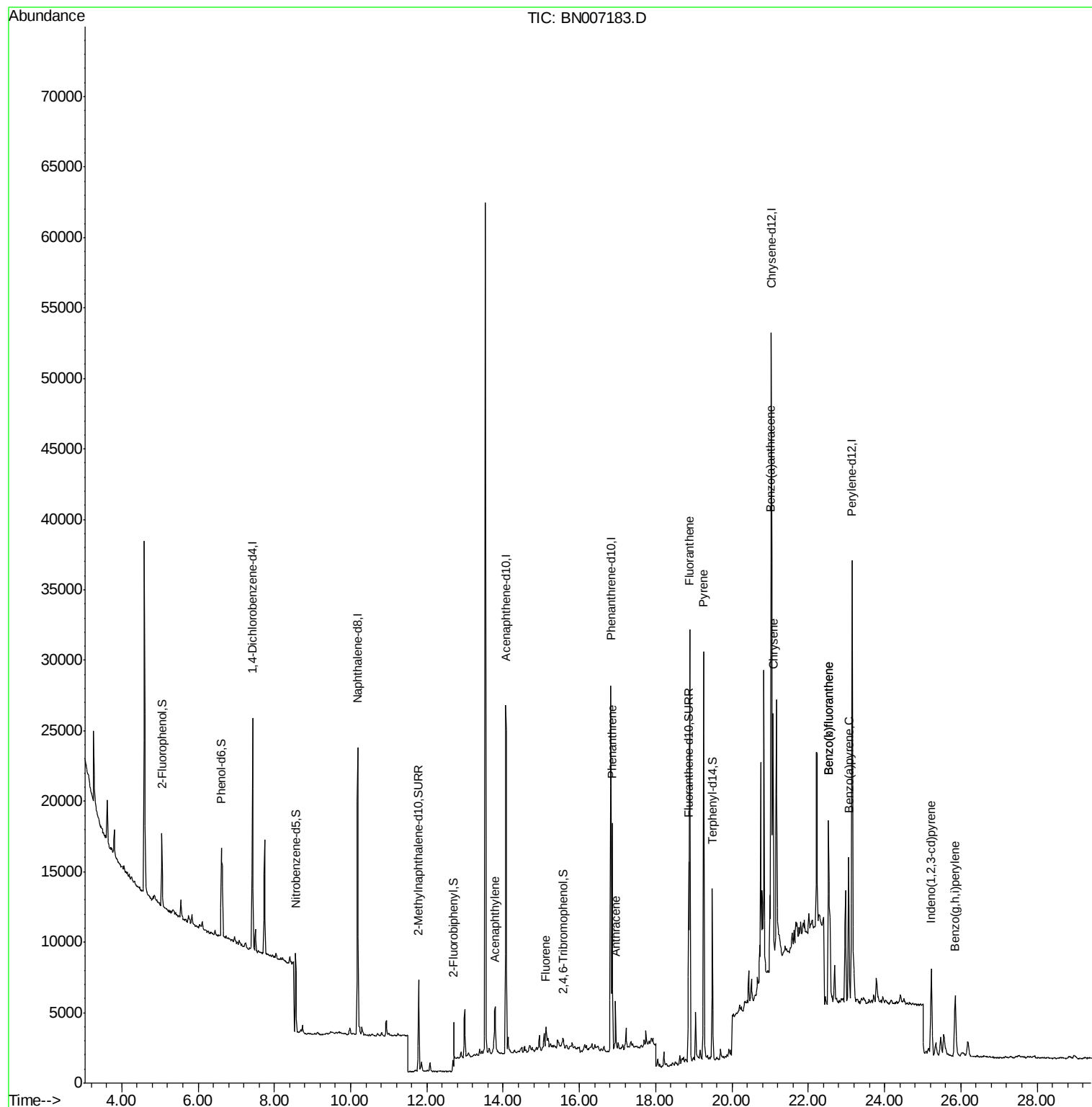
Target Compounds				Qvalue		
15) Acenaphthylene	13.79	152	7570	0.094	ng	98
17) Fluorene	15.12	166	1592	0.021	ng	# 62
22) Phenanthrene	16.87	178	16893	0.162	ng	99
23) Anthracene	16.95	178	2457	0.026	ng	# 84
25) Fluoranthene	18.89	202	27986	0.210	ng	99
27) Pyrene	19.26	202	26383	0.215	ng	# 95
29) Benzo(a)anthracene	21.02	228	16236	0.127	ng	# 83
30) Chrysene	21.08	228	17286	0.139	ng	# 94
31) Indeno(1,2,3-cd)pyrene	25.23	276	8885	0.065	ng	100
33) Benzo(b)fluoranthene	22.53	252	20640	0.151	ng	# 86
34) Benzo(k)fluoranthene	22.53	252	20640	0.153	ng	# 86
35) Benzo(a)pyrene	23.06	252	13625	0.110	ng	# 82
37) Benzo(a,h,i)perylene	25.85	276	8672	0.068	ng	# 81

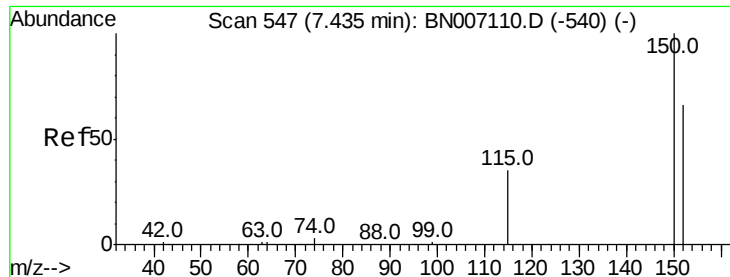
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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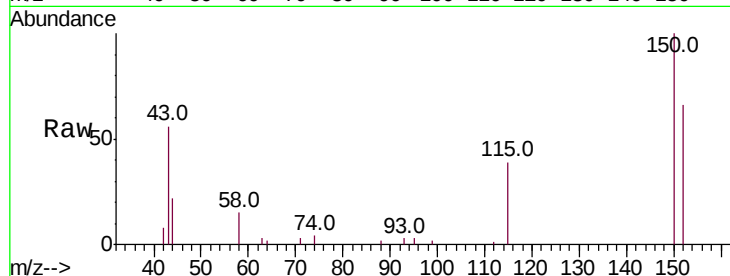


#1

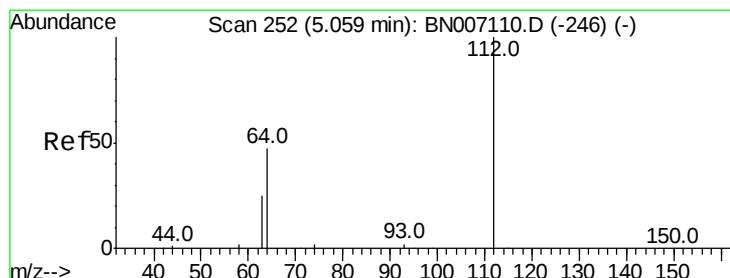
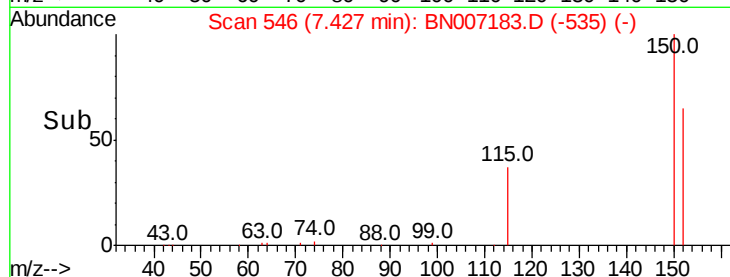
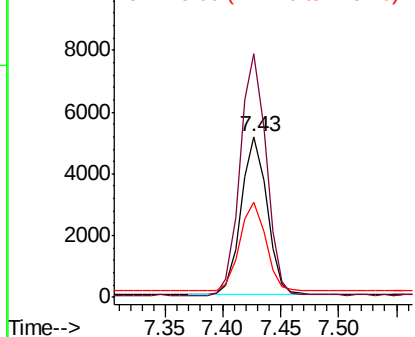
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007183.D
Acq: 15 Aug 2019 03:05

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 7860
Ion Ratio Lower Upper
152 100
150 151.7 121.7 182.5
115 59.3 46.2 69.4



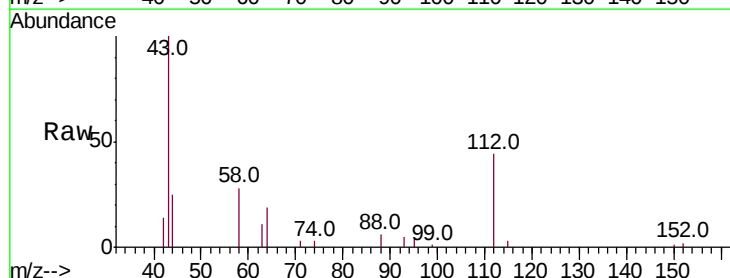
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



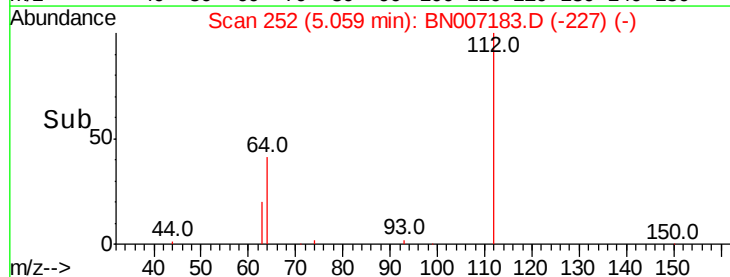
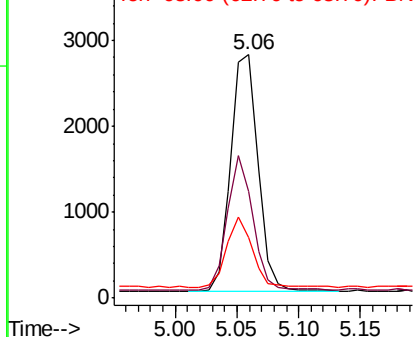
#3

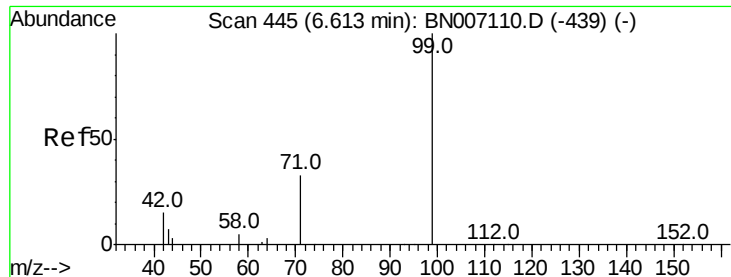
2-Fluorophenol
Concen: 0.224 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007183.D
Acq: 15 Aug 2019 03:05

Tgt Ion:112 Resp: 4237
Ion Ratio Lower Upper
112 100
64 53.4 42.6 63.8
63 28.0 22.2 33.2



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





#4

Phenol-d6

Concen: 0.239 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampled :

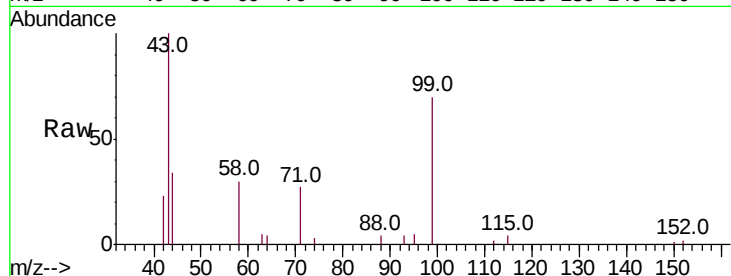
Tot Ion: 99 Resp: 5581

Ion Ratio Lower Upper

99 100

42 22.2 15.8 23.6

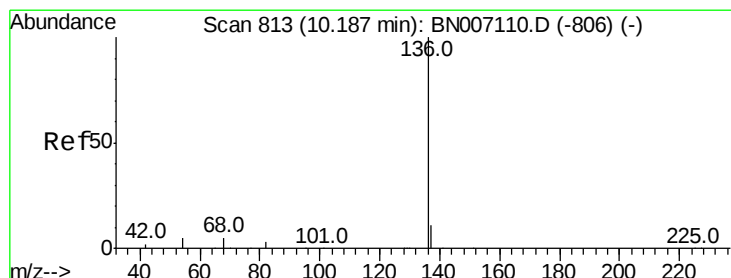
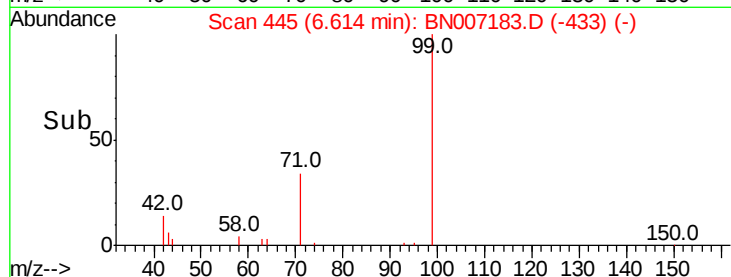
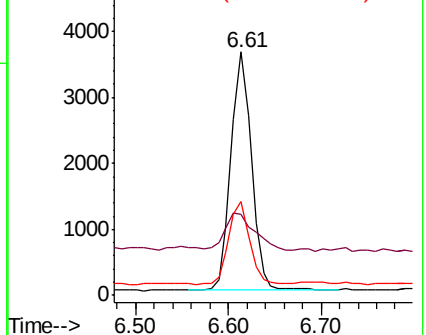
71 35.1 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BN007110.D (-439) (-)

Ion 42.00 (41.70 to 42.70): BN007110.D (-439) (-)

Ion 71.00 (70.70 to 71.70): BN007110.D (-439) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Tgt Ion: 136 Resp: 28868

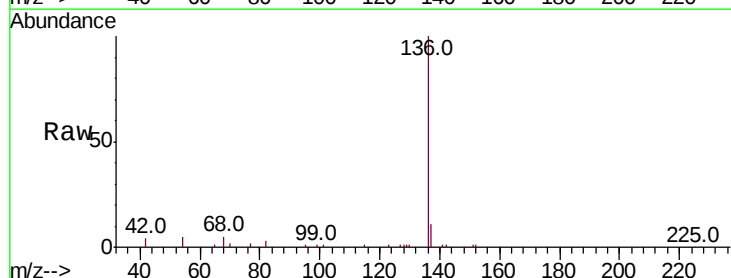
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.0

54 4.9 6.6 9.8#

68 4.8 6.0 9.0#

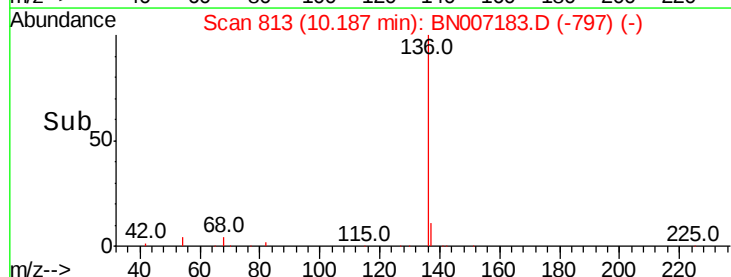
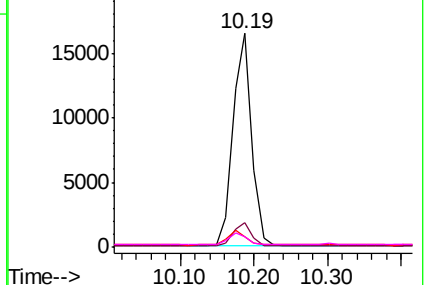


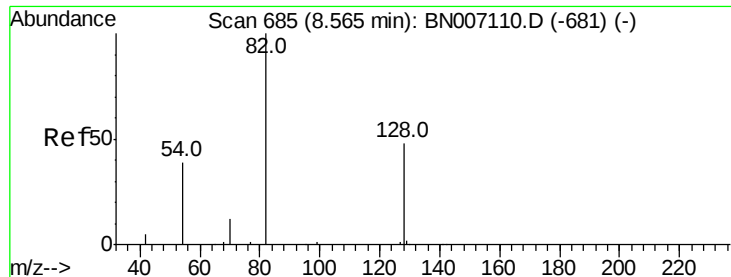
Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

Ion 137.00 (136.70 to 137.70): BN007110.D (-806) (-)

Ion 54.00 (53.70 to 54.70): BN007110.D (-806) (-)

Ion 68.00 (67.70 to 68.70): BN007110.D (-806) (-)





#7

Nitrobenzene-d5

Concen: 0.205 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

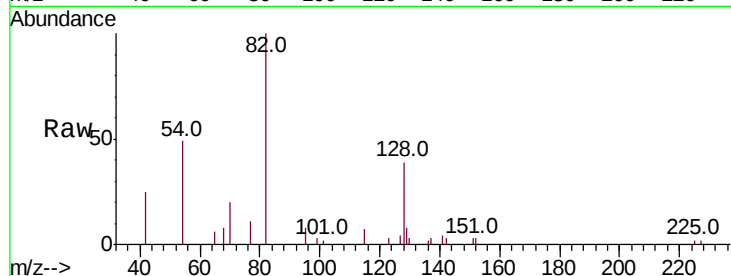
Tot Ion: 82 Resp: 4764

Ion Ratio Lower Upper

82 100

128 38.9 34.6 51.8

54 49.3 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BN007110.D (-681) (-)

Ion 128.00 (127.70 to 128.70): BN007110.D (-681) (-)

Ion 54.00 (53.70 to 54.70): BN007110.D (-681) (-)

8.55

3000

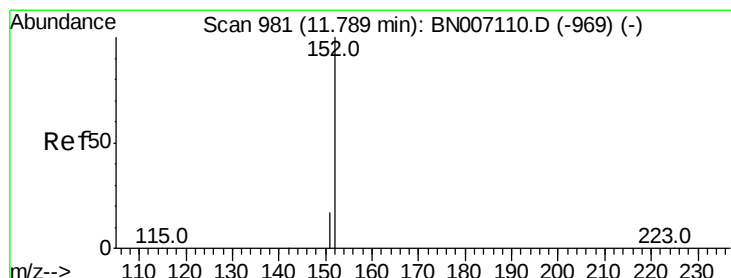
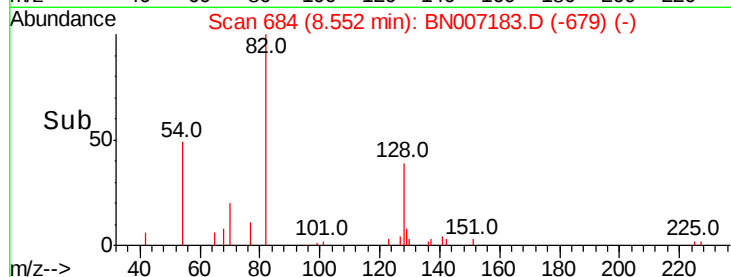
2000

1000

0

8.50 8.55 8.60 8.65

Time-->



#10

2-Methylnaphthalene-d10

Concen: 0.167 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007183.D

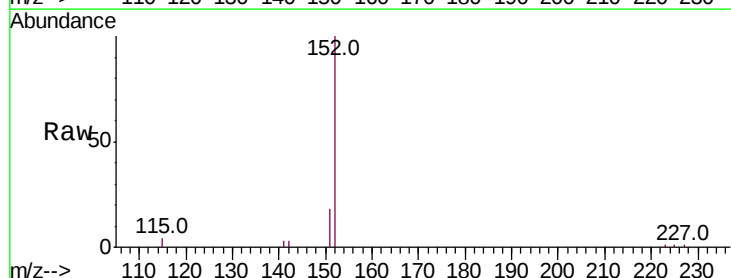
Acq: 15 Aug 2019 03:05

Tgt Ion: 152 Resp: 9001

Ion Ratio Lower Upper

152 100

151 19.5 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN007110.D (-969) (-)

Ion 151.00 (150.70 to 151.70): BN007110.D (-969) (-)

11.79

6000

5000

4000

3000

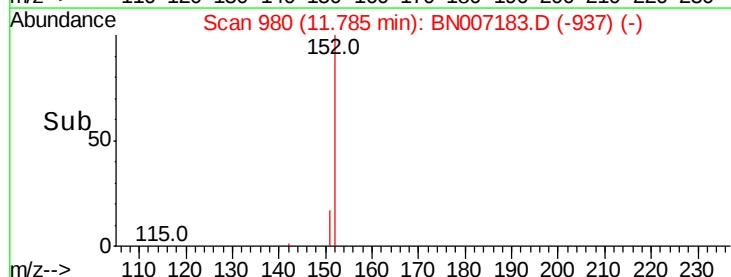
2000

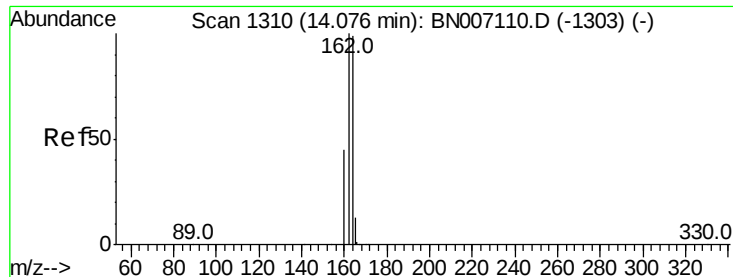
1000

0

11.70 11.80

Time-->





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

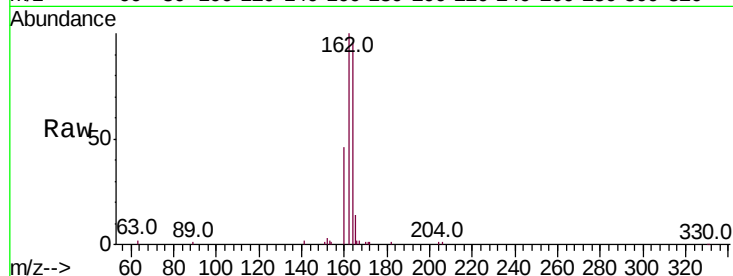
Tot Ion:164 Resp: 15456

Ion Ratio Lower Upper

164 100

162 103.7 82.2 123.4

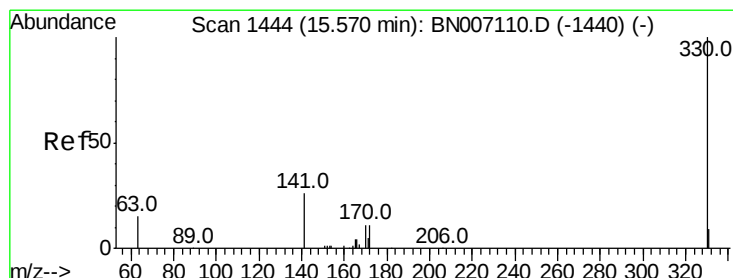
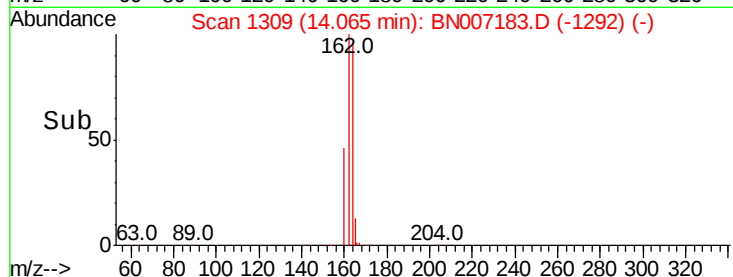
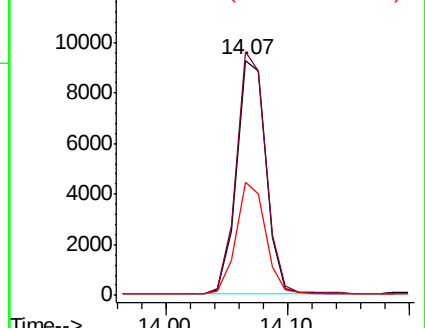
160 48.2 38.3 57.5



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



#13

2,4,6-Tribromophenol

Concen: 0.031 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

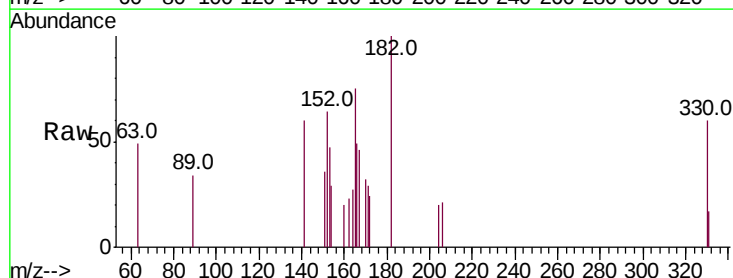
Tgt Ion:330 Resp: 258

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

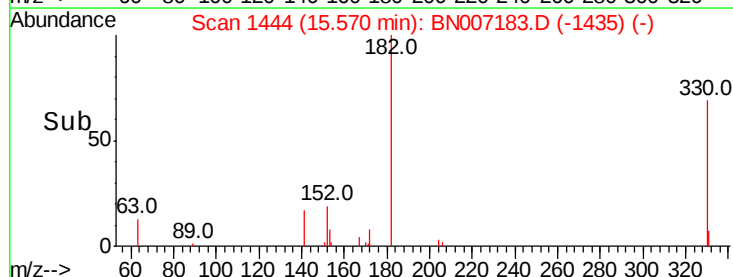
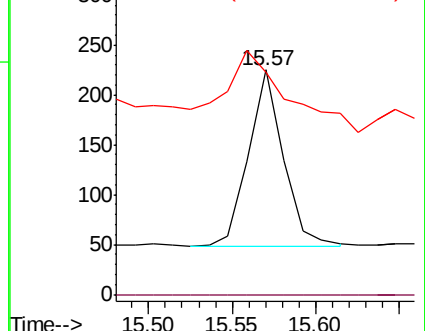
141 41.1 33.6 50.4

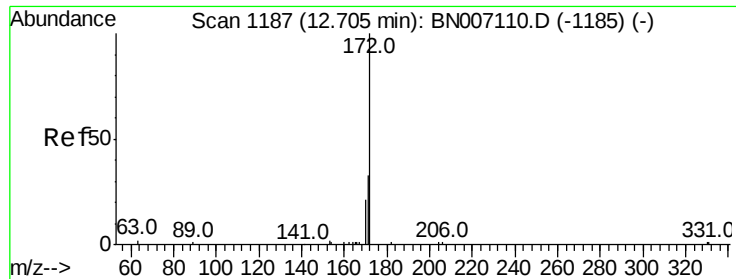


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

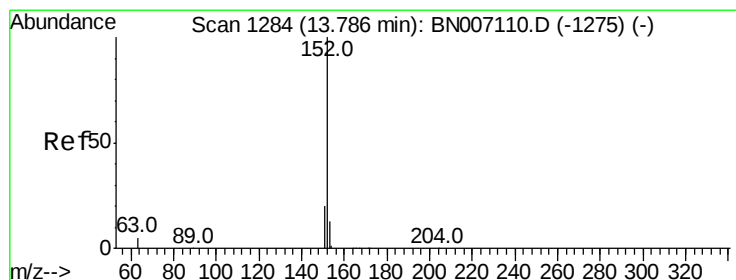
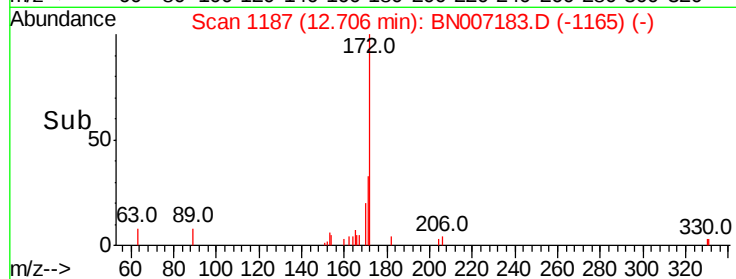
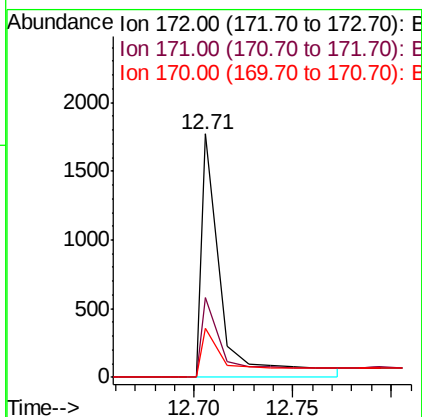
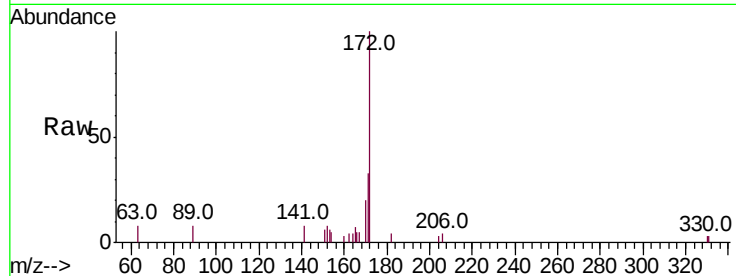




#14
2-Fluorobiphenyl
Concen: 0.061 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007183.D
Acq: 15 Aug 2019 03:05

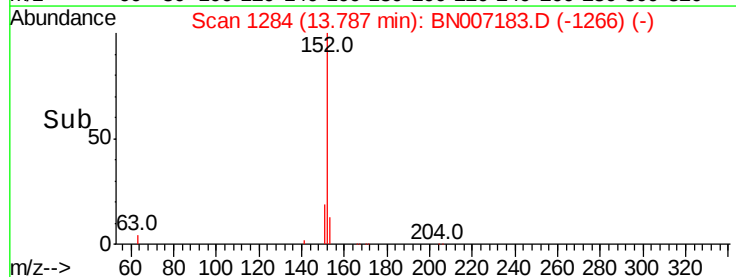
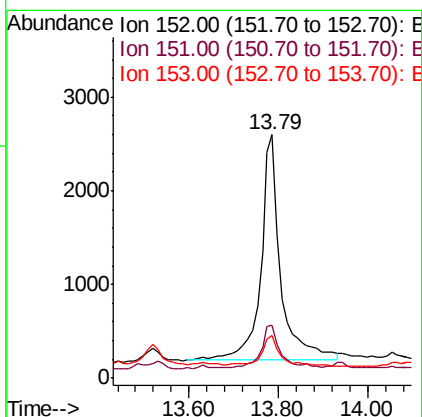
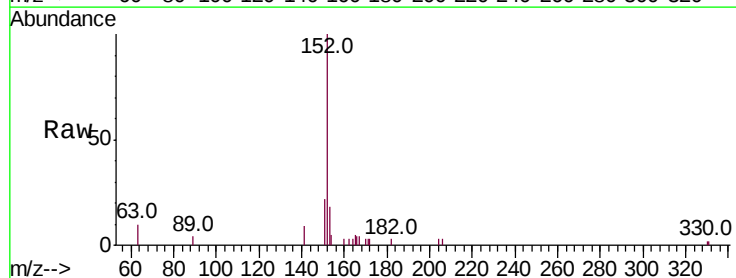
Instrument :
BNA_N
ClientSampleId :

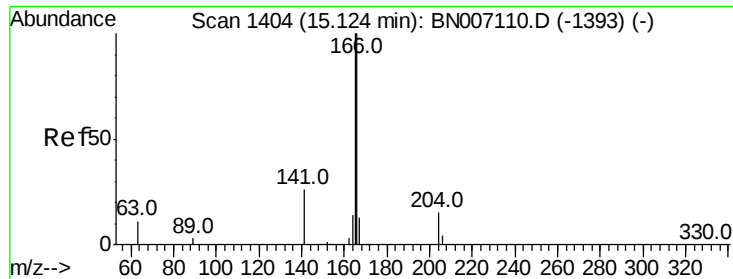
Tot Ion:172 Resp: 1362
Ion Ratio Lower Upper
172 100
171 33.0 26.3 39.5
170 20.2 17.0 25.4



#15
Acenaphthylene
Concen: 0.094 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007183.D
Acq: 15 Aug 2019 03:05

Tgt Ion:152 Resp: 7570
Ion Ratio Lower Upper
152 100
151 18.6 15.8 23.6
153 12.3 10.4 15.6

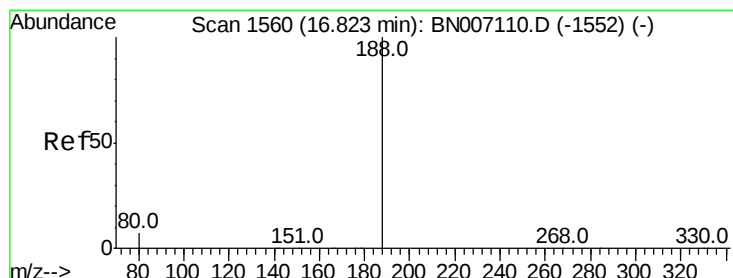
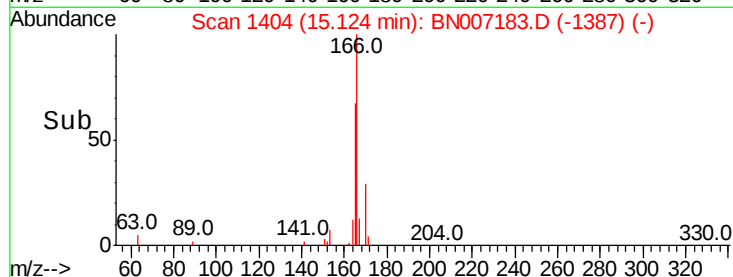
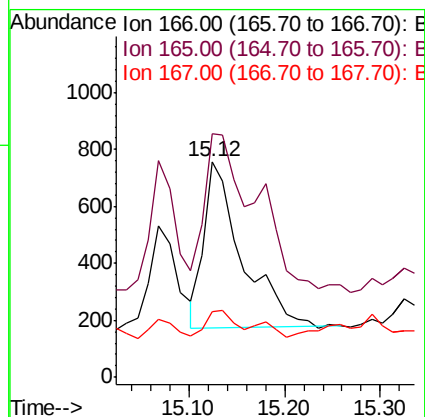
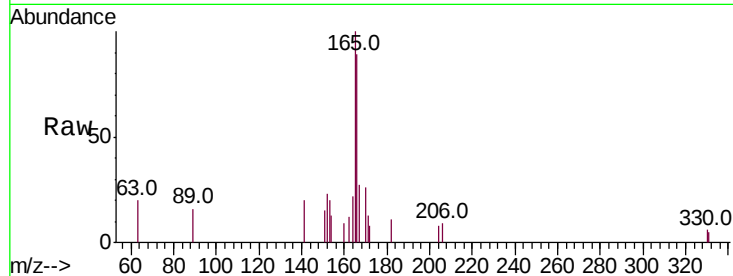




#17
 Fluorene
 Concen: 0.021 ng
 RT: 15.12 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BN007183.D
 Acq: 15 Aug 2019 03:05

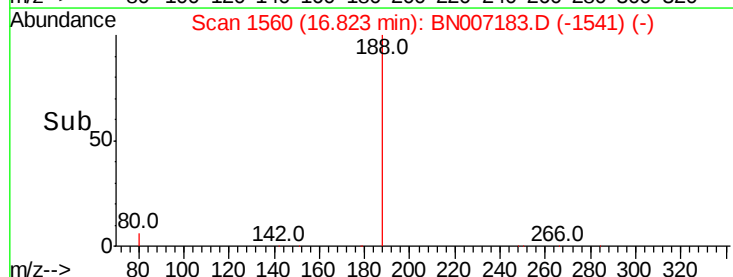
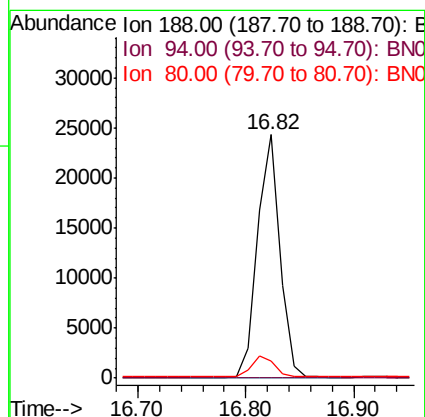
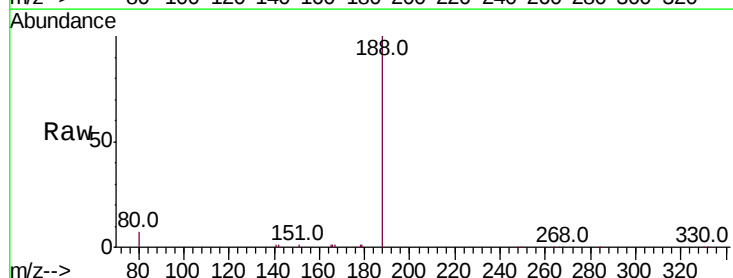
Instrument :
 BNA_N
 ClientSampleId :

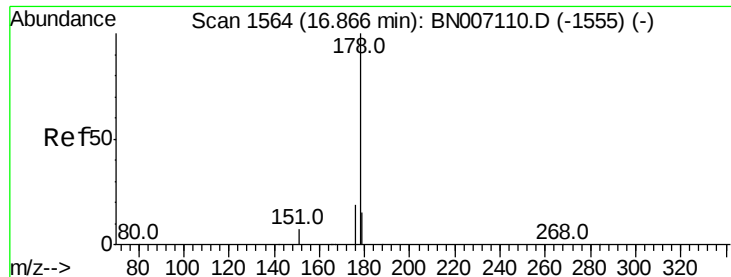
Tot Ion:166 Resp: 1592
 Ion Ratio Lower Upper
 166 100
 165 139.1 77.9 116.9#
 167 11.5 10.9 16.3



#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007183.D
 Acq: 15 Aug 2019 03:05

Tgt Ion:188 Resp: 34778
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 7.0 7.8 11.6#





#22

Phenanthrene

Concen: 0.162 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

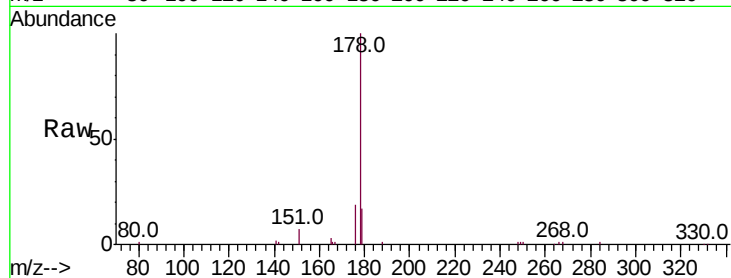
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 16893

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	16.3	12.3	18.5

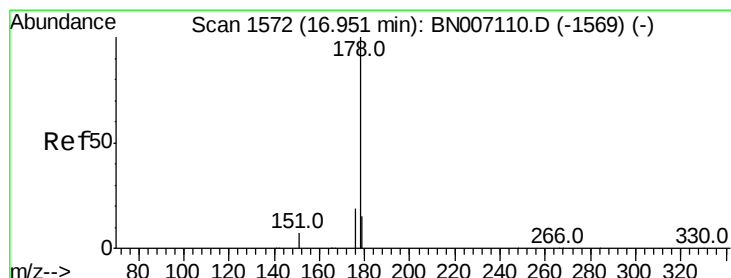
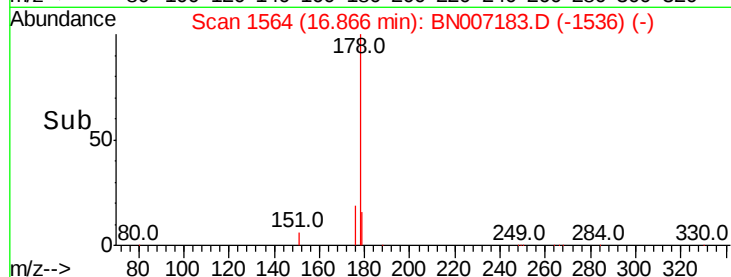
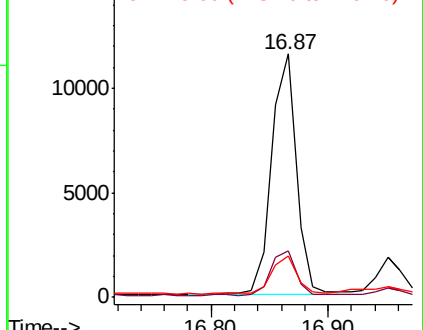


Abundance

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



#23

Anthracene

Concen: 0.026 ng

RT: 16.95 min Scan# 1572

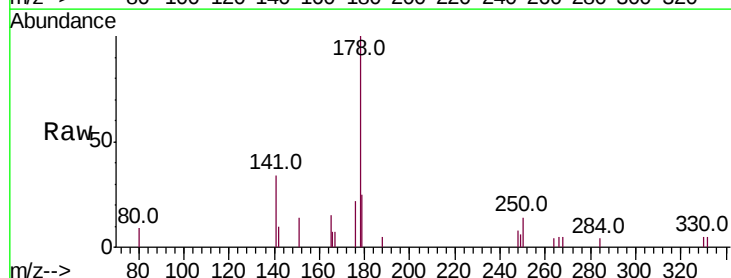
Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Tgt Ion:178 Resp: 2457

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.6	21.8
179	28.5	12.5	18.7#

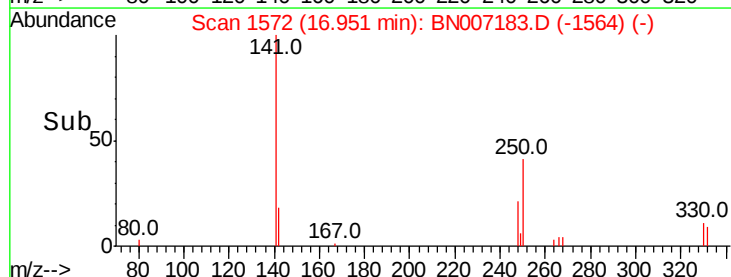
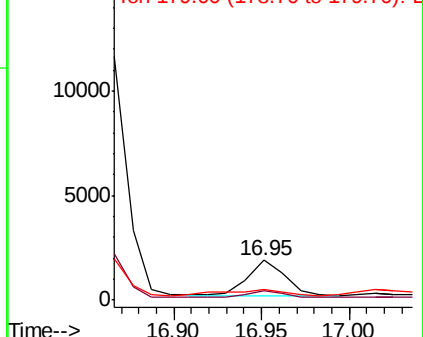


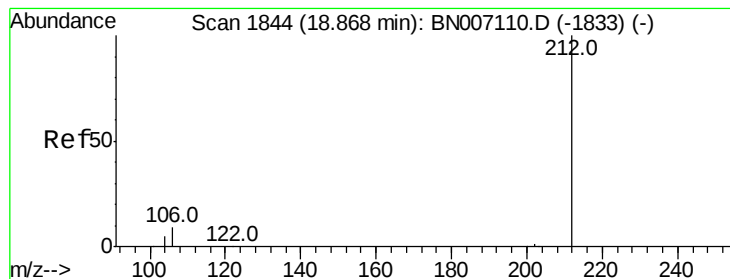
Abundance

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

Fluoranthene-d10

Concen: 0.136 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

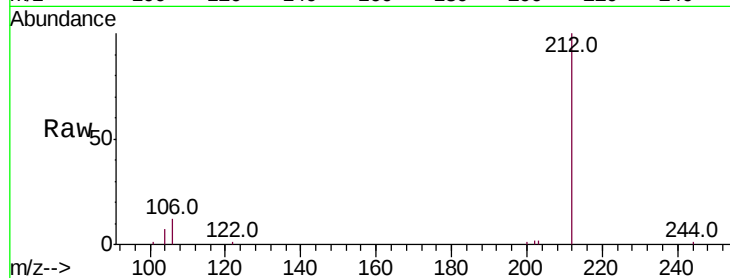
Tot Ion:212 Resp: 16785

Ion Ratio Lower Upper

212 100

106 10.9 8.2 12.2

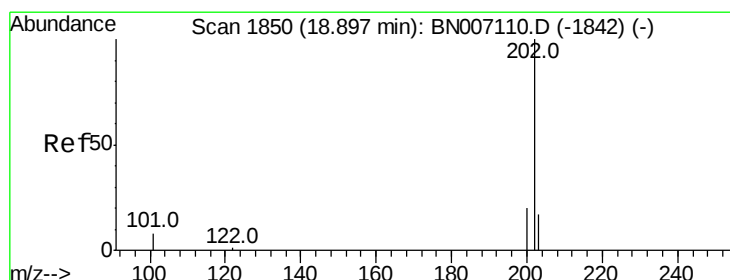
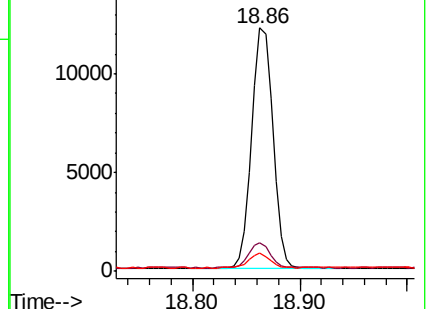
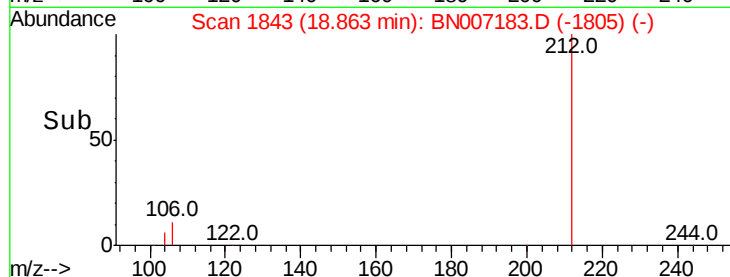
104 6.0 4.5 6.7



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



#25

Fluoranthene

Concen: 0.210 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

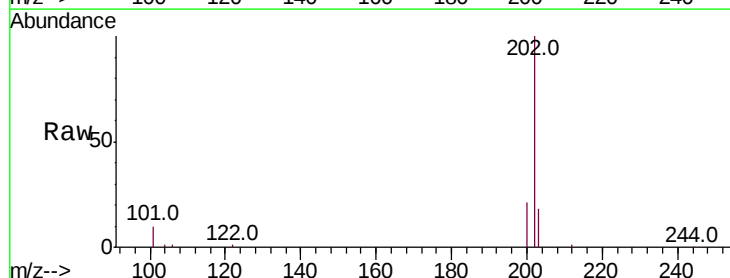
Tgt Ion:202 Resp: 27986

Ion Ratio Lower Upper

202 100

101 8.9 7.0 10.4

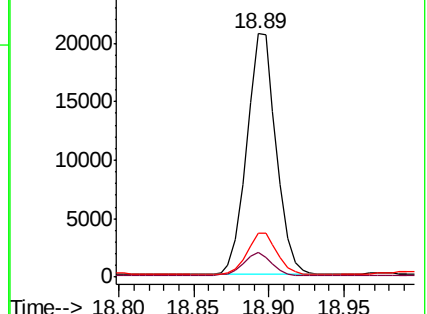
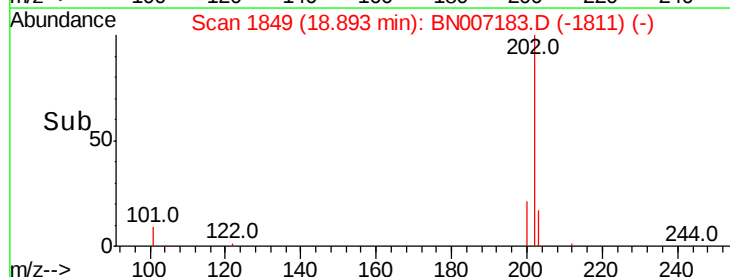
203 17.6 13.8 20.8

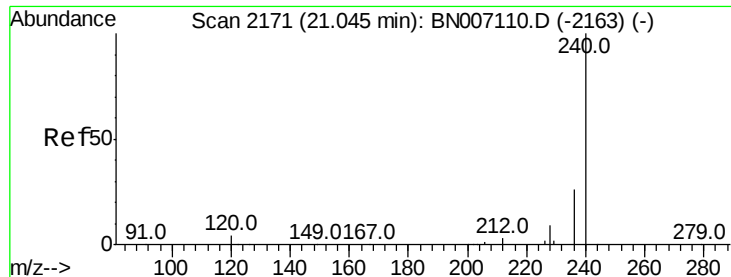


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

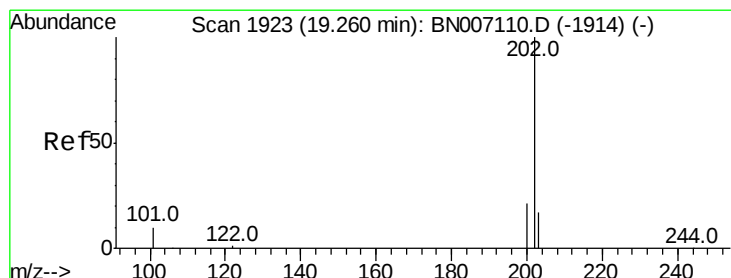
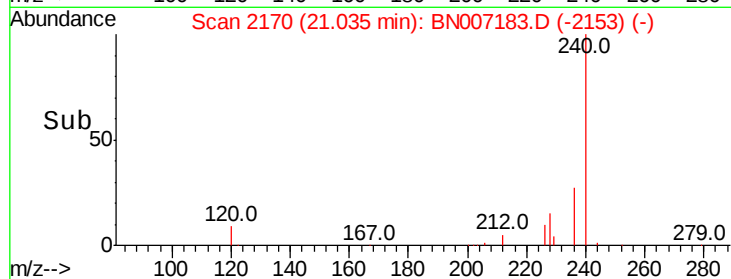
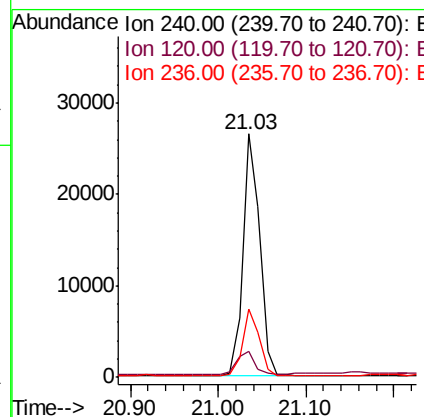
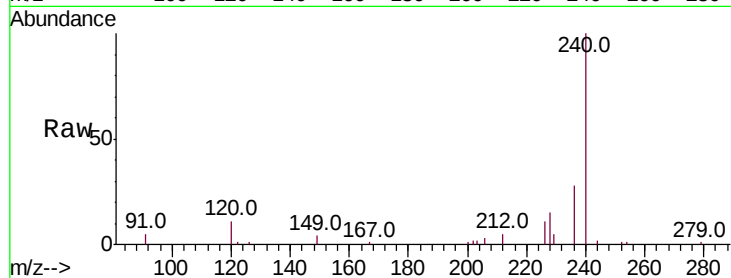




#26
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.03 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: BN007183.D
 Acq: 15 Aug 2019 03:05

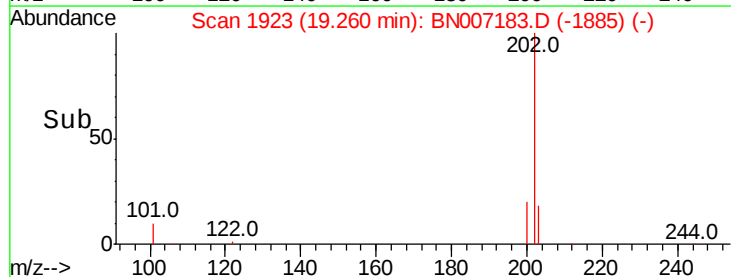
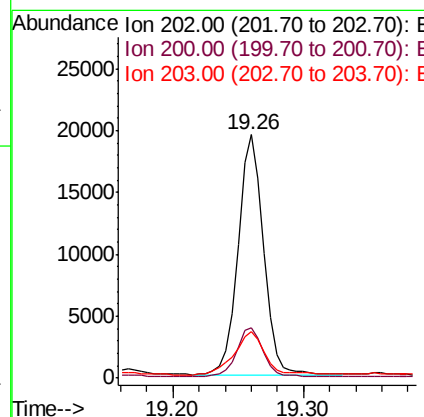
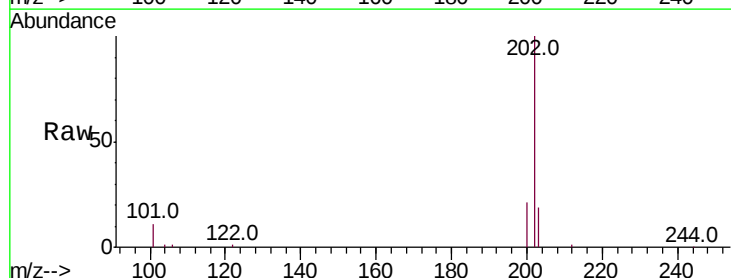
Instrument :
 BNA_N
 ClientSampleId :

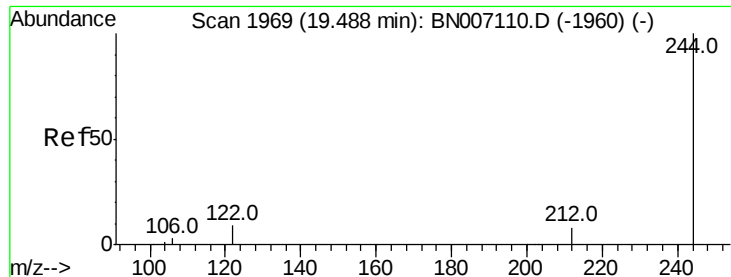
Tot Ion:240 Resp: 34982
 Ion Ratio Lower Upper
 240 100
 120 10.6 4.0 6.0#
 236 27.8 21.3 31.9



#27
 Pyrene
 Concen: 0.215 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007183.D
 Acq: 15 Aug 2019 03:05

Tgt Ion:202 Resp: 26383
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 24.8
 203 21.9 14.0 21.0#





#28

Terphenyl-d14

Concen: 0.123 ng

RT: 19.48 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampled :

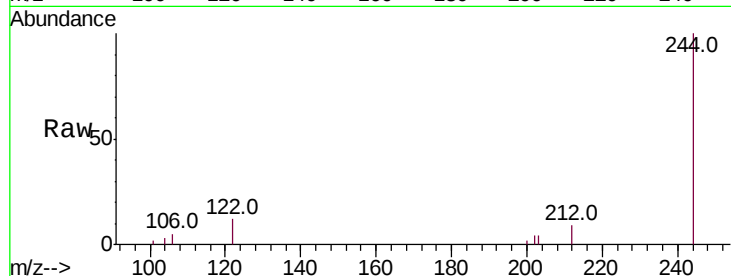
Tot Ion:244 Resp: 11750

Ion Ratio Lower Upper

244 100

212 8.8 6.2 9.2

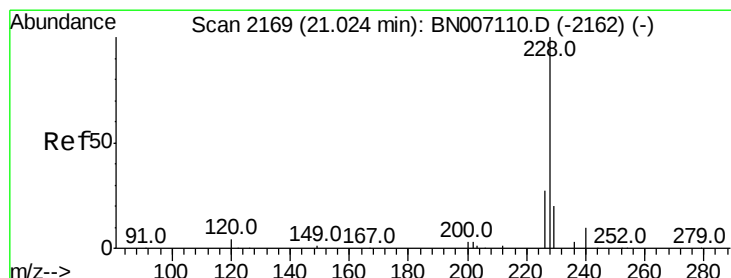
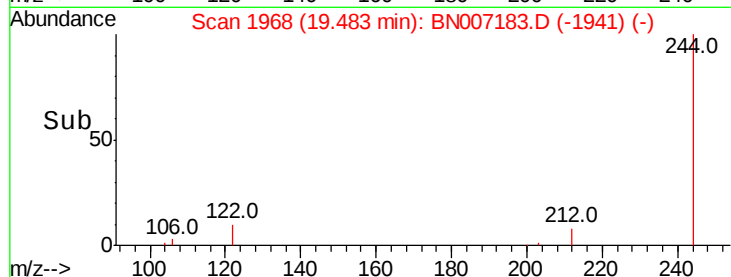
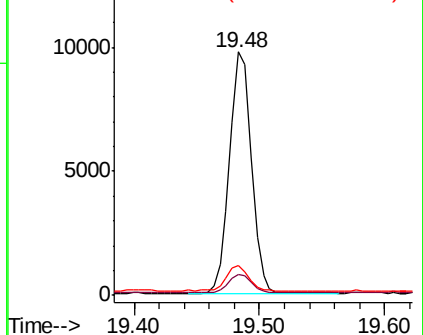
122 12.2 7.4 11.2#



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



#29

Benzo(a)anthracene

Concen: 0.127 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

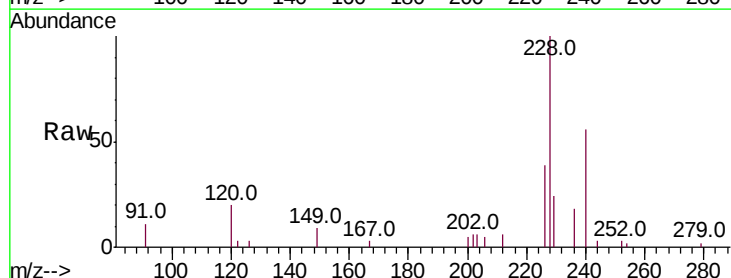
Tgt Ion:228 Resp: 16236

Ion Ratio Lower Upper

228 100

226 38.8 21.8 32.6#

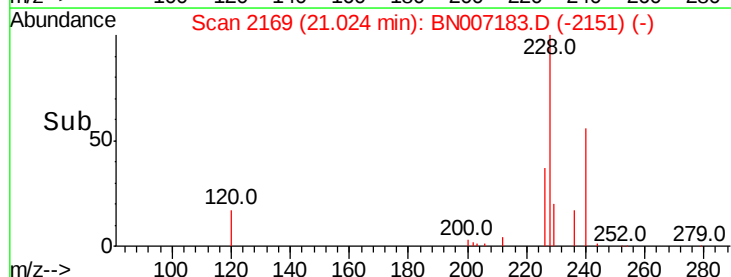
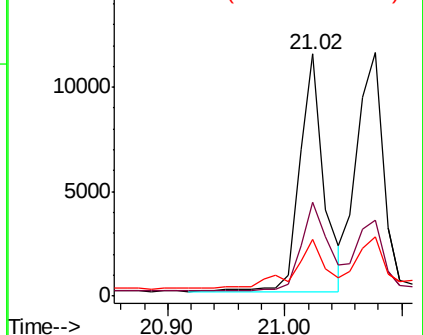
229 23.5 15.6 23.4#

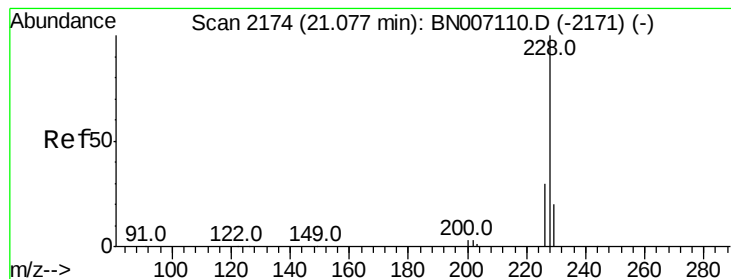


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Chrysene

Concen: 0.139 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

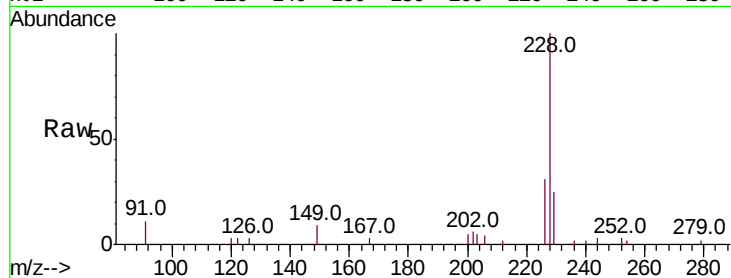
Tot Ion:228 Resp: 17286

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.6

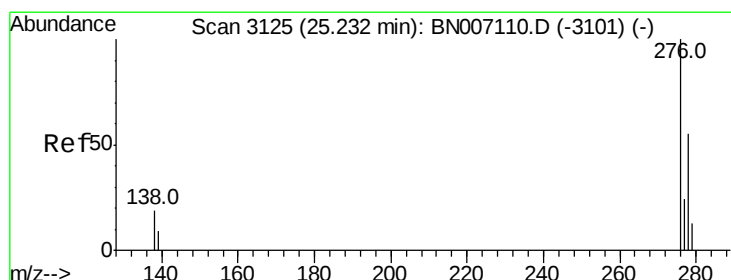
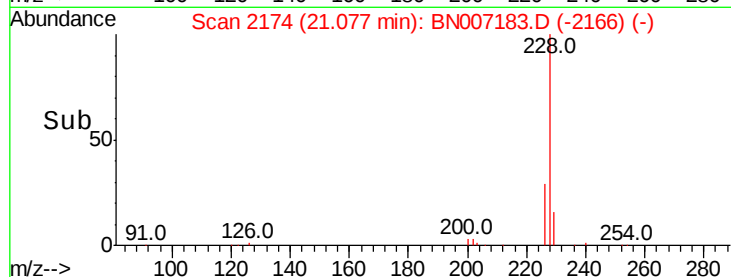
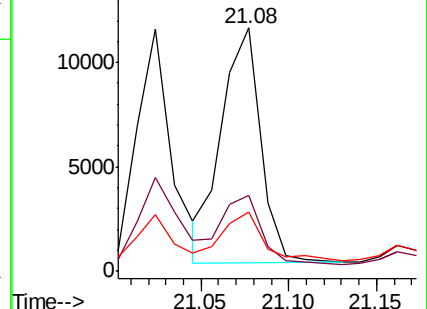
229 24.5 15.7 23.5#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.065 ng

RT: 25.23 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

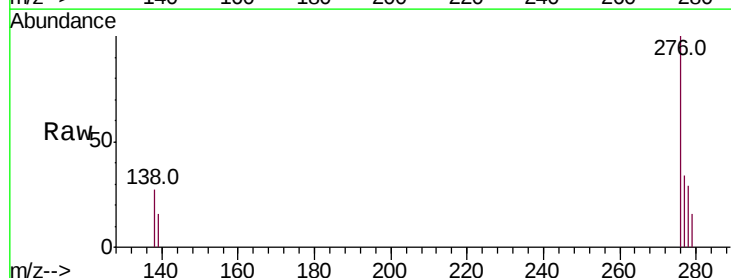
Tgt Ion:276 Resp: 8885

Ion Ratio Lower Upper

276 100

138 20.1 16.0 24.0

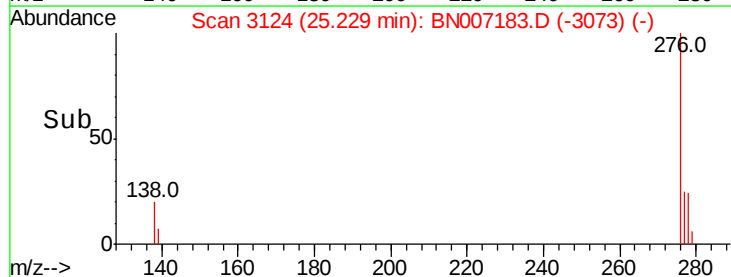
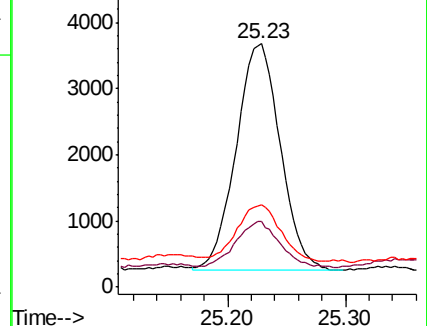
277 24.9 19.9 29.9

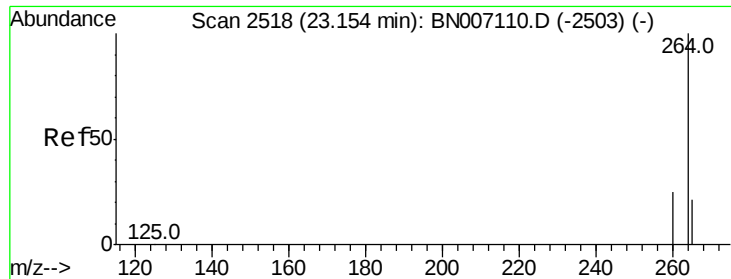


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



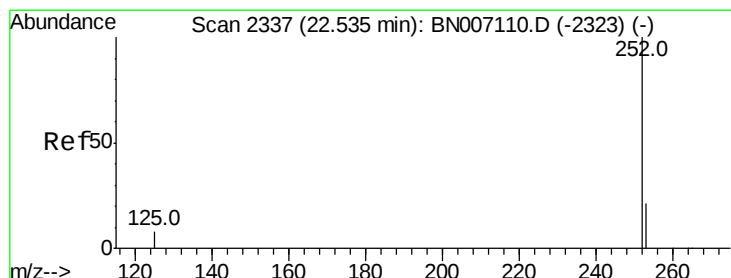
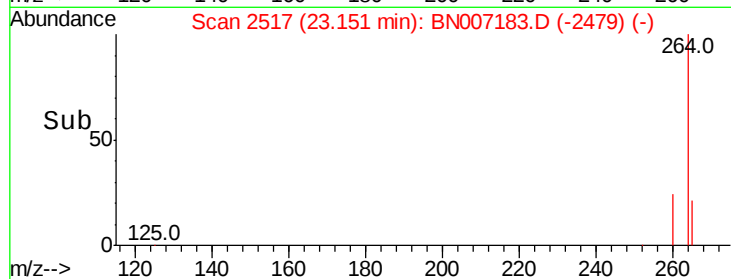
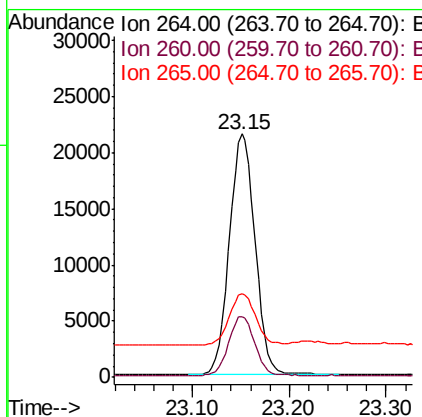
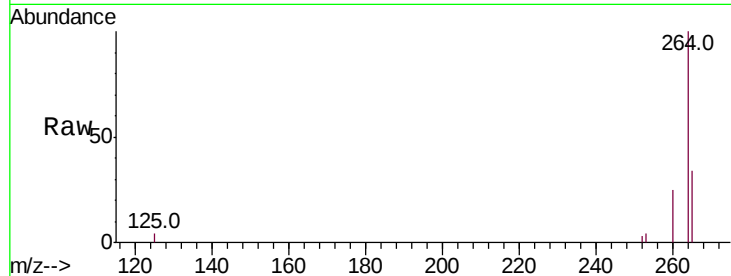


#32
Pervlene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BN007183.D
Acq: 15 Aug 2019 03:05

Instrument :
BNA_N
ClientSampleId :

Tot Ion:264 Resp: 39736

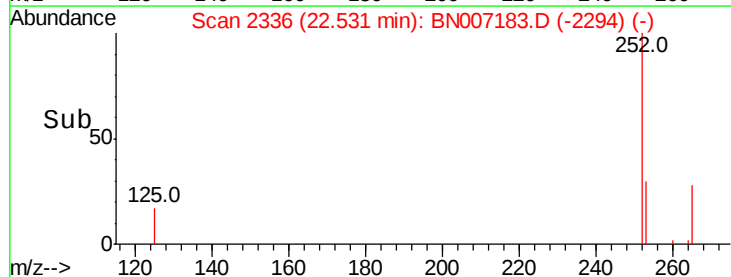
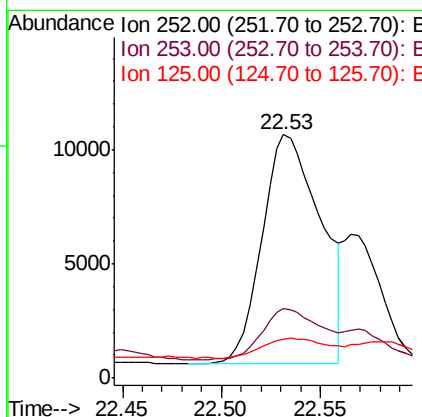
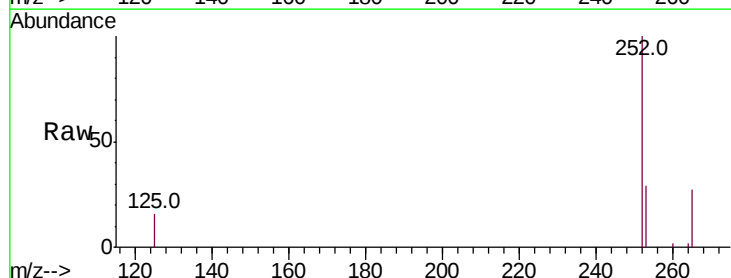
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	34.4	26.2	39.4

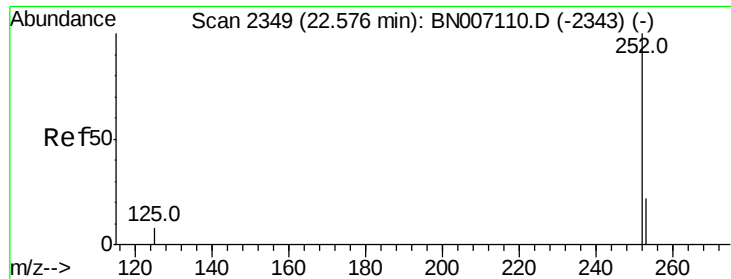


#33
Benzo(b)fluoranthene
Concen: 0.151 ng
RT: 22.53 min Scan# 2336
Delta R.T. -0.02 min
Lab File: BN007183.D
Acq: 15 Aug 2019 03:05

Tgt Ion:252 Resp: 20640

Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.2	27.2#
125	16.0	7.4	11.0#





#34

Benzo(k)fluoranthene

Concen: 0.153 ng

RT: 22.53 min Scan# 2336

Delta R.T. -0.06 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

Instrument :

BNA_N

ClientSampleId :

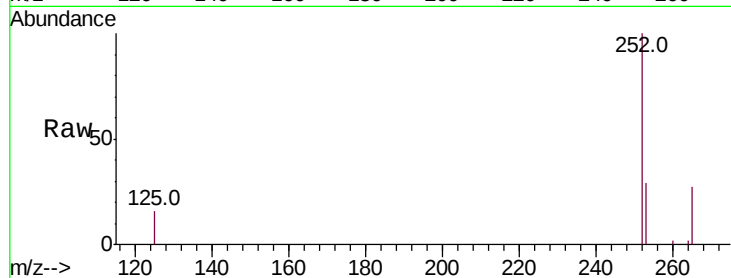
Tot Ion:252 Resp: 20640

Ion Ratio Lower Upper

252 100

253 28.6 18.1 27.1#

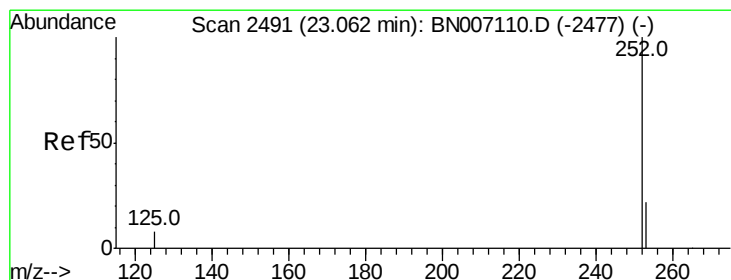
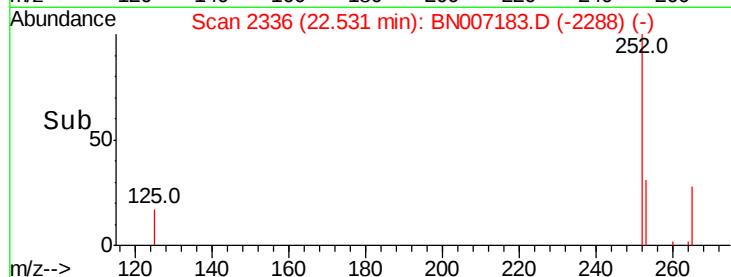
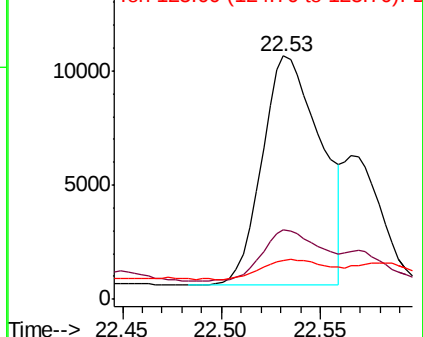
125 16.0 7.4 11.0#



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



#35

Benzo(a)pyrene

Concen: 0.110 ng

RT: 23.06 min Scan# 2490

Delta R.T. -0.02 min

Lab File: BN007183.D

Acq: 15 Aug 2019 03:05

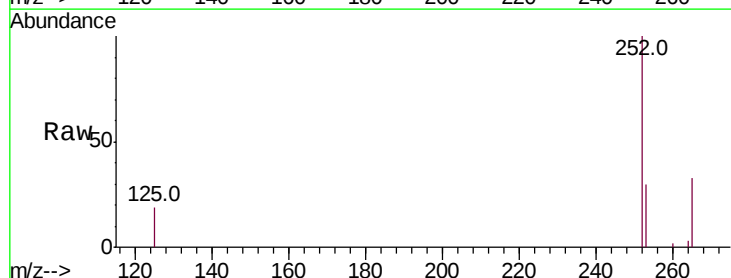
Tgt Ion:252 Resp: 13625

Ion Ratio Lower Upper

252 100

253 30.2 18.5 27.7#

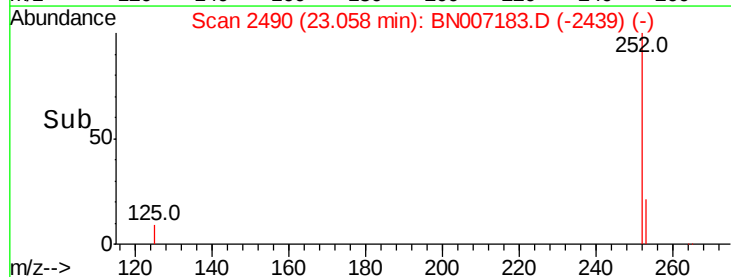
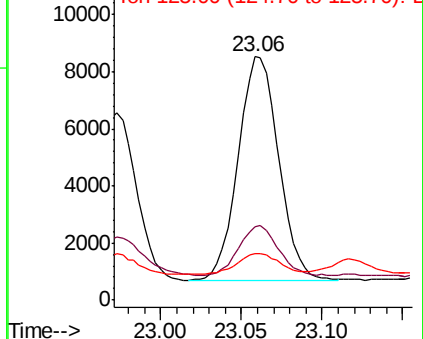
125 19.4 8.2 12.4#

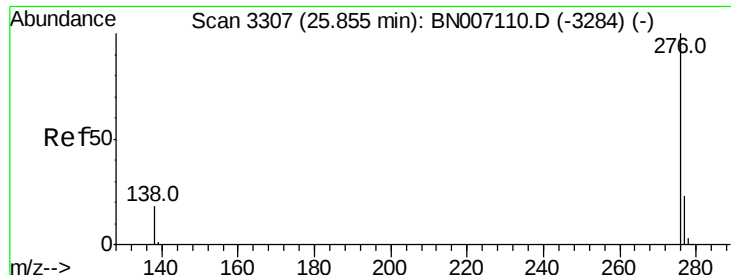


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

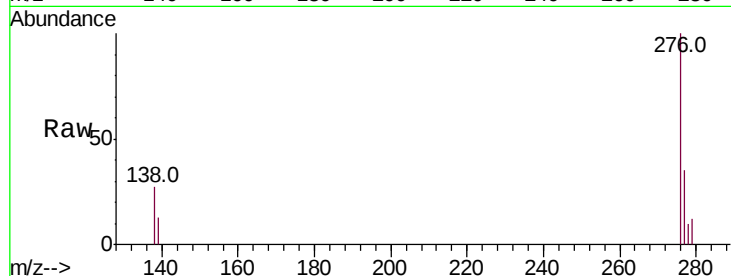




#37
 Benzo(a,h,i)perylene
 Concen: 0.068 ng
 RT: 25.85 min Scan# 3306
 Delta R.T. -0.03 min
 Lab File: BN007183.D
 Acq: 15 Aug 2019 03:05

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 8672
 Ion Ratio Lower Upper
 276 100
 277 34.5 19.8 29.8#
 138 27.0 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

