

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
 Data File : BN007309.D
 Acq On : 22 Aug 2019 02:36
 Operator : HP/JU
 Sample : PB122289BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB122289BL

Quant Time: Aug 22 06:54:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 18:52:43 2019
 Response via : Initial Calibration

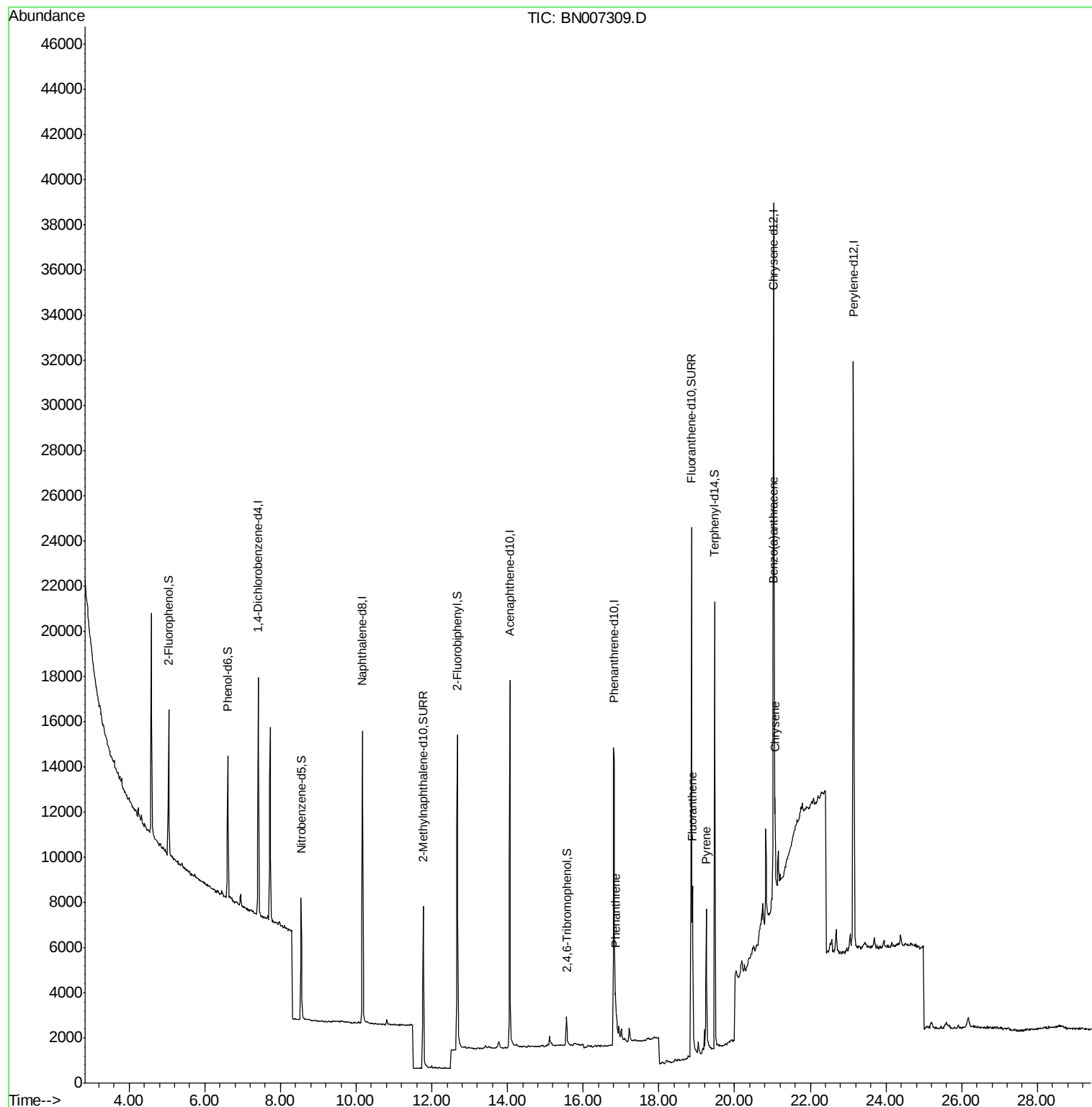
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	5042	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	18580	0.40	ng	0.00
13) Acenaphthene-d10	14.06	164	10053	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	23991	0.40	ng	0.00
27) Chrysene-d12	21.03	240	28233	0.40	ng	0.00
34) Perylene-d12	23.14	264	32163	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	5268	0.34	ng	0.00
5) Phenol-d6	6.61	99	6483	0.37	ng	0.00
8) Nitrobenzene-d5	8.54	82	4529	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	10615	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	1244	0.22	ng	0.00
15) 2-Fluorobiphenyl	12.68	172	13439	0.31	ng	0.00
25) Fluoranthene-d10	18.85	212	28434	0.37	ng	0.00
29) Terphenyl-d14	19.48	244	22090	0.31	ng	0.00
Target Compounds						
23) Phenanthrene	16.85	178	2341	0.031	ng	Qvalue # 82
26) Fluoranthene	18.88	202	8873	0.097	ng	99
28) Pyrene	19.25	202	7710	0.073	ng	97
30) Benzo(a)anthracene	21.02	228	3964	0.038	ng	# 69
31) Chrysene	21.07	228	4181	0.039	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: 7.41 min Scan# 569

Delta R.T. -0.00 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

PB122289BL

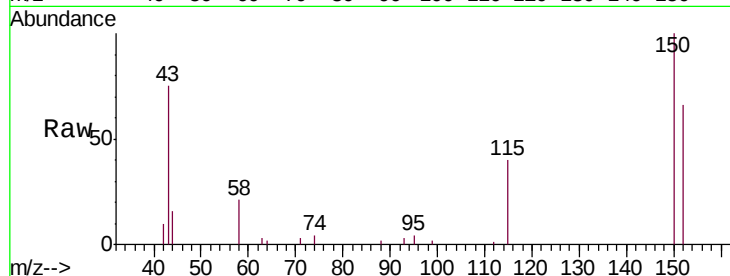
Tot Ion:152 Resp: 5042

Ion Ratio Lower Upper

152 100

150 151.6 123.8 185.8

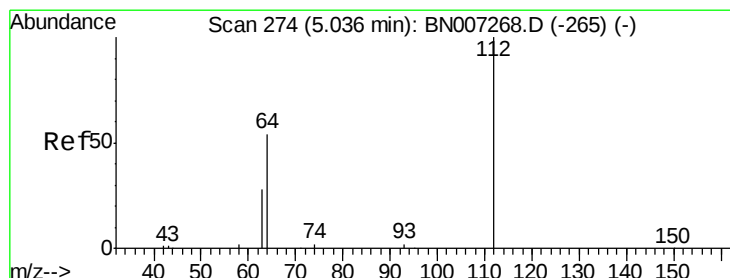
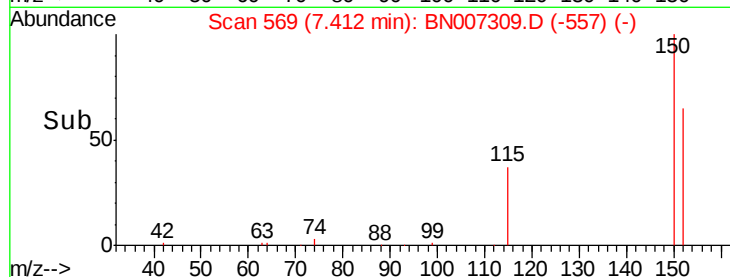
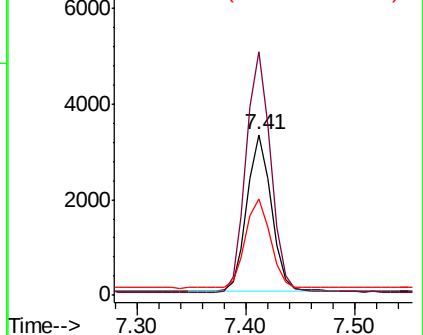
115 60.1 47.3 70.9



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: 0.343 ng

RT: 5.04 min Scan# 275

Delta R.T. 0.01 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

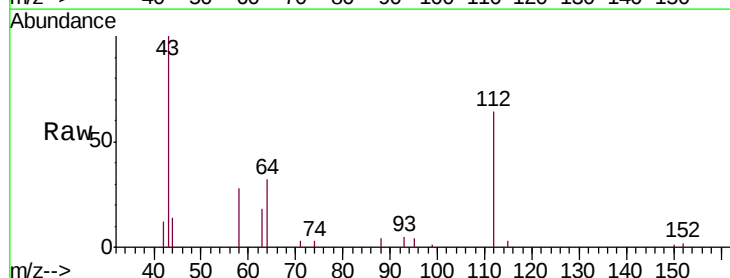
Tgt Ion:112 Resp: 5268

Ion Ratio Lower Upper

112 100

64 51.7 41.8 62.8

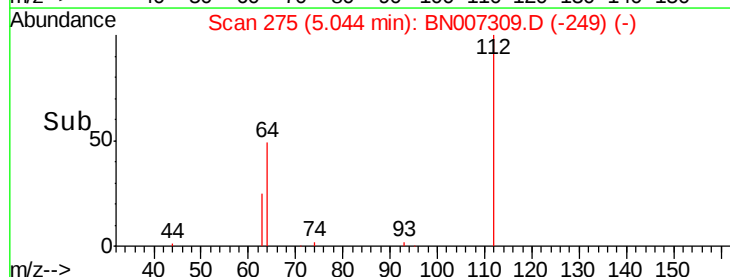
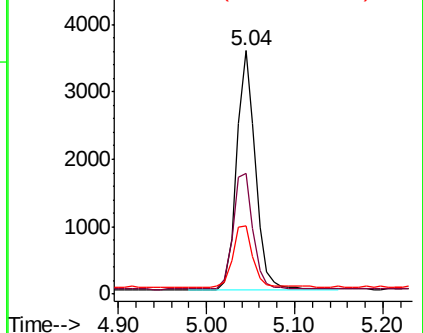
63 27.8 22.6 34.0

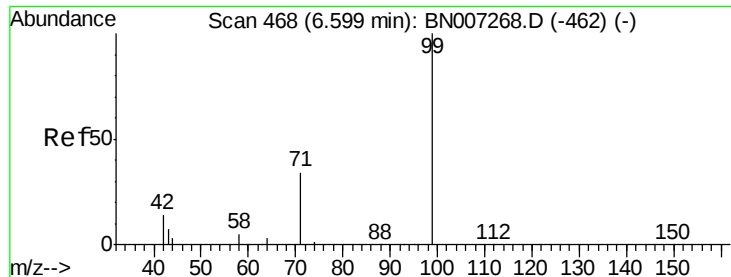


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.365 ng

RT: 6.61 min Scan# 469

Delta R.T. 0.01 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

PB122289BL

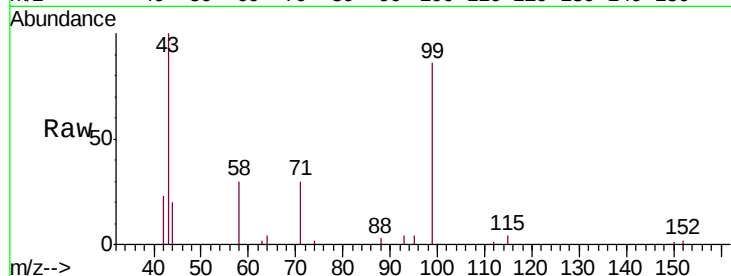
Tot Ion: 99 Resp: 6483

Ion Ratio Lower Upper

99 100

42 16.0 14.3 21.5

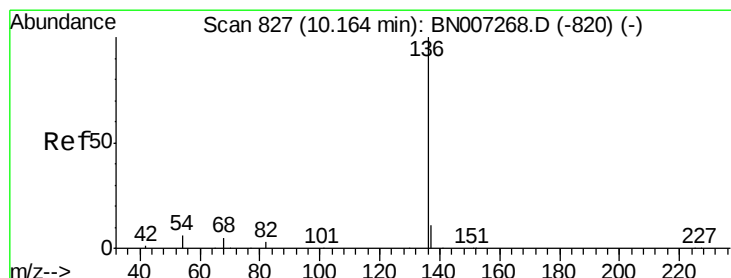
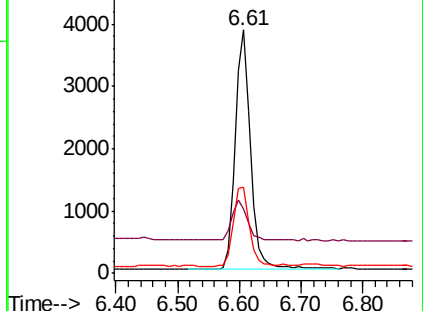
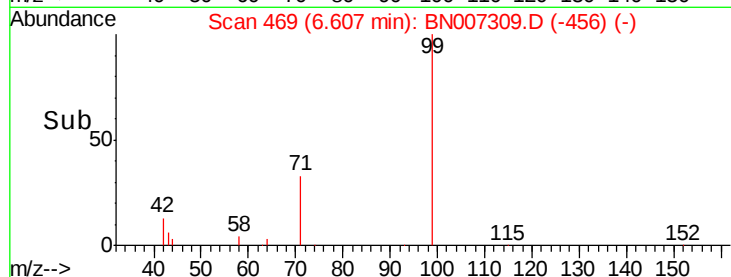
71 35.2 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN007268.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007268.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007268.D (-462) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

Tgt Ion: 136 Resp: 18580

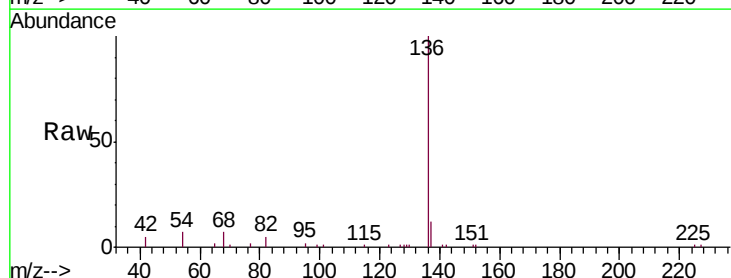
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 7.5 5.9 8.9

68 6.7 5.6 8.4

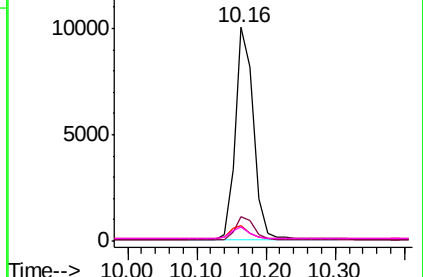
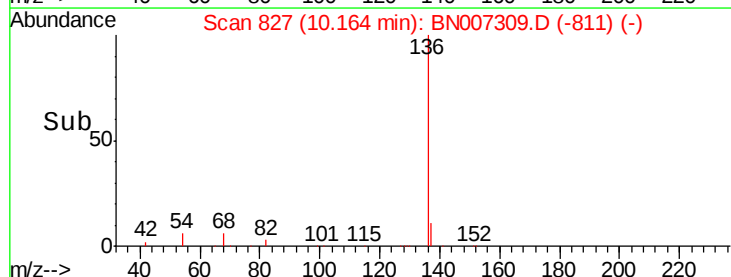


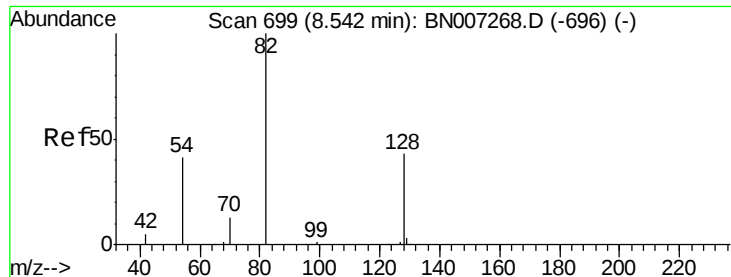
Abundance Ion 136.00 (135.70 to 136.70): BN007268.D (-820) (-)

Ion 137.00 (136.70 to 137.70): BN007268.D (-820) (-)

Ion 54.00 (53.70 to 54.70): BN007268.D (-820) (-)

Ion 68.00 (67.70 to 68.70): BN007268.D (-820) (-)





#8

Nitrobenzene-d5

Concen: 0.318 ng

RT: 8.54 min Scan# 699

Delta R.T. -0.00 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

PB122289BL

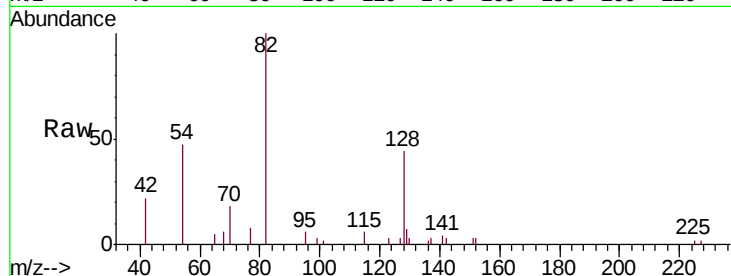
Tot Ion: 82 Resp: 4529

Ion Ratio Lower Upper

82 100

128 43.5 35.8 53.6

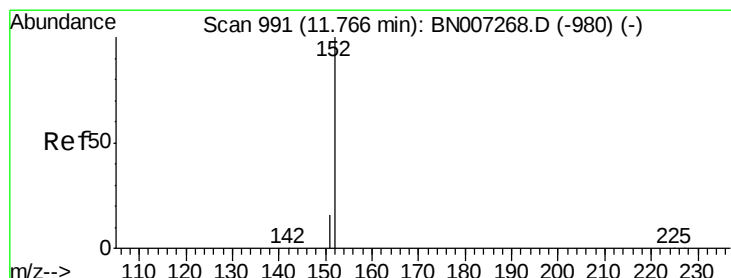
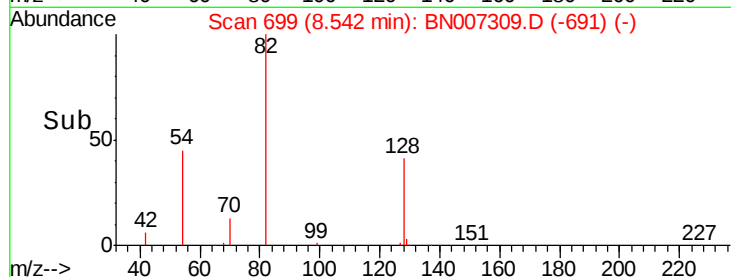
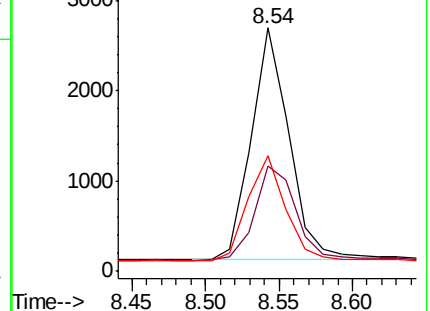
54 47.3 34.7 52.1



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#11

2-Methylnaphthalene-d10

Concen: 0.331 ng

RT: 11.77 min Scan# 992

Delta R.T. 0.00 min

Lab File: BN007309.D

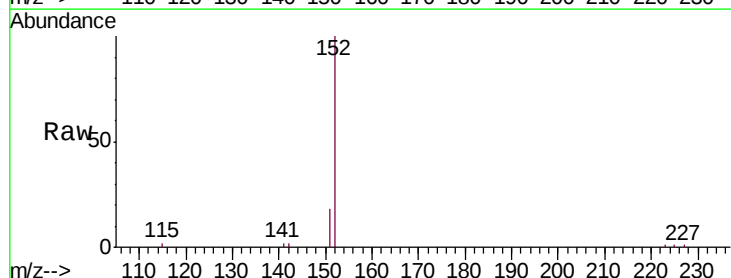
Acq: 22 Aug 2019 02:36

Tgt Ion: 152 Resp: 10615

Ion Ratio Lower Upper

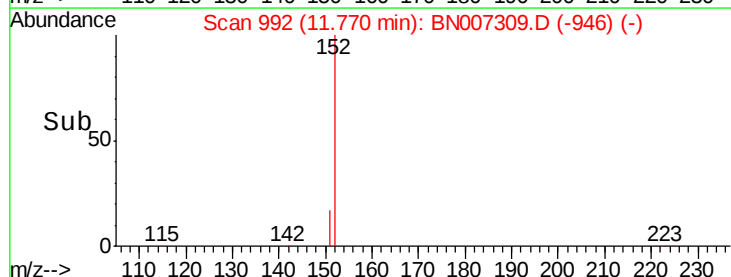
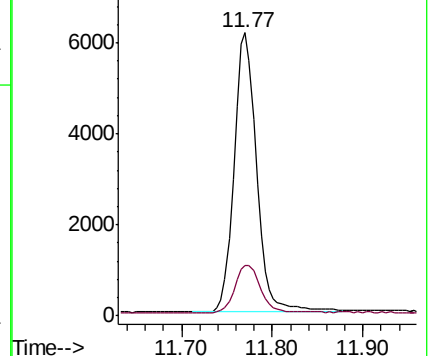
152 100

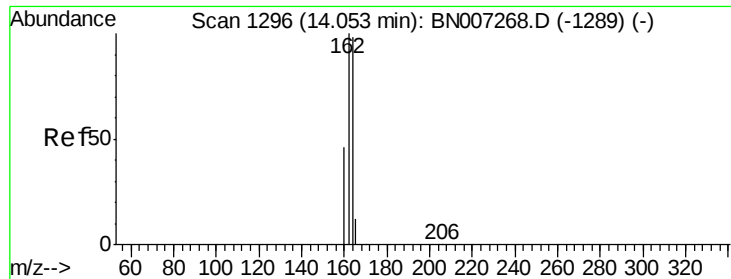
151 19.3 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): BNC

Ion 151.00 (150.70 to 151.70): BNC





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

PB122289BL

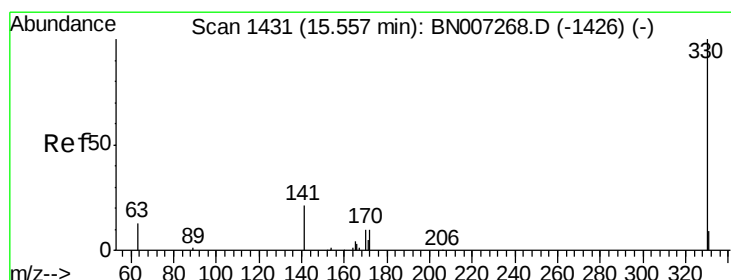
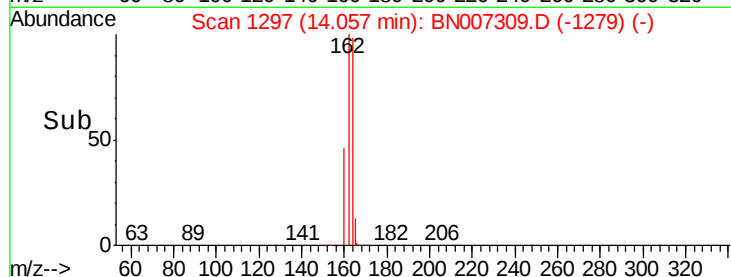
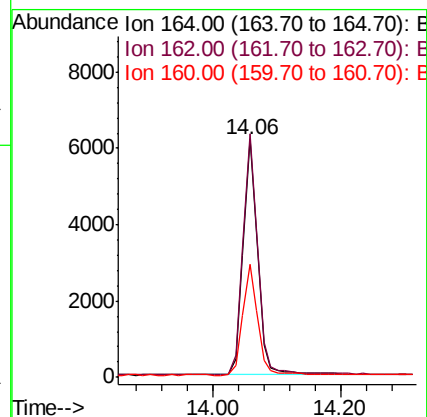
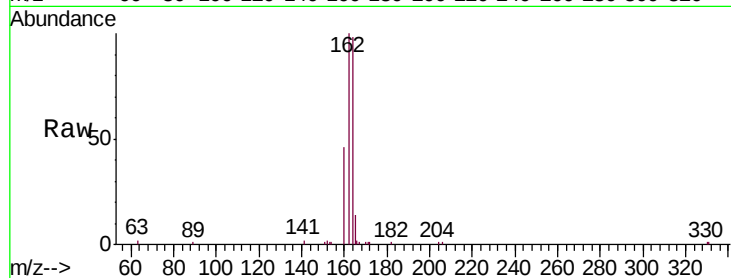
Tot Ion:164 Resp: 10053

Ion Ratio Lower Upper

164 100

162 102.3 82.0 123.0

160 47.2 38.2 57.4



#14

2,4,6-Tribromophenol

Concen: 0.220 ng

RT: 15.56 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

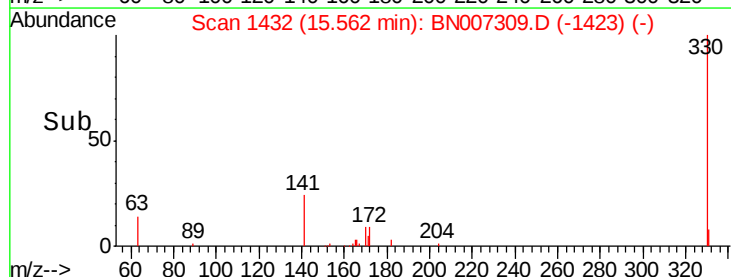
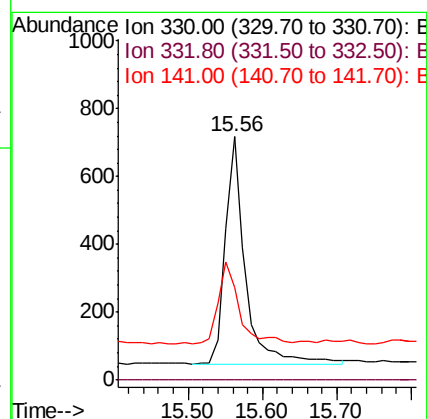
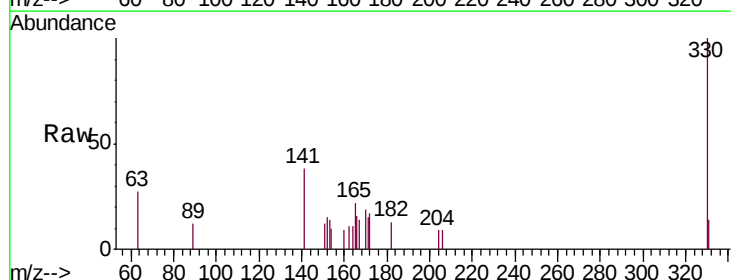
Tgt Ion:330 Resp: 1244

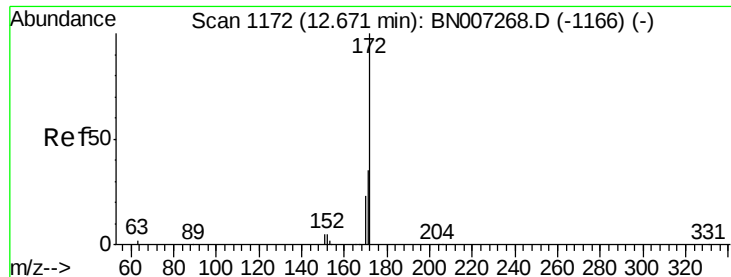
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 39.5 30.3 45.5

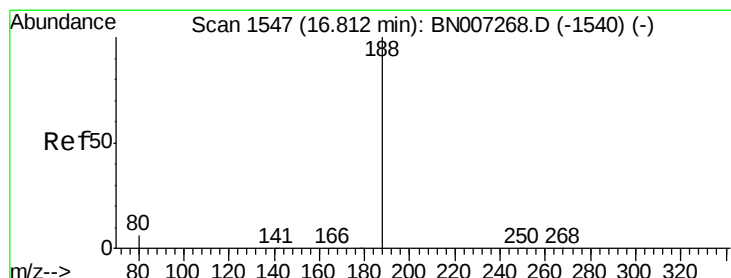
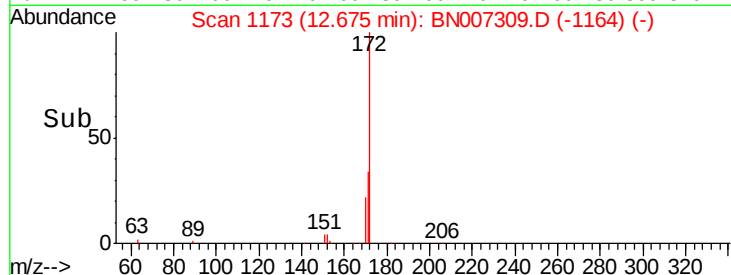
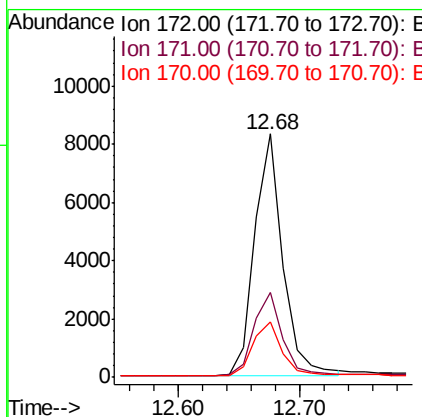
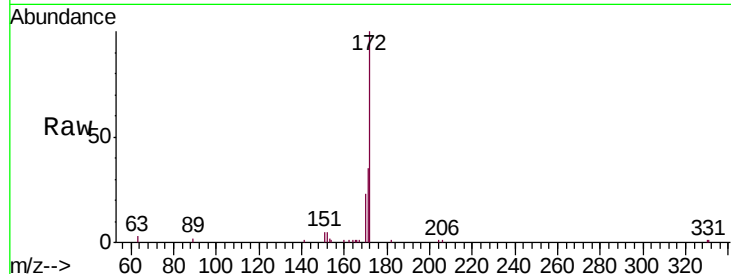




#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007309.D
Acq: 22 Aug 2019 02:36

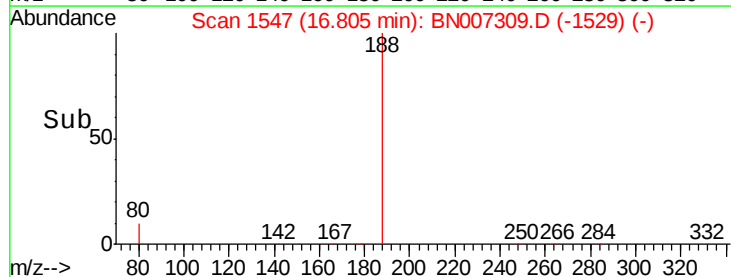
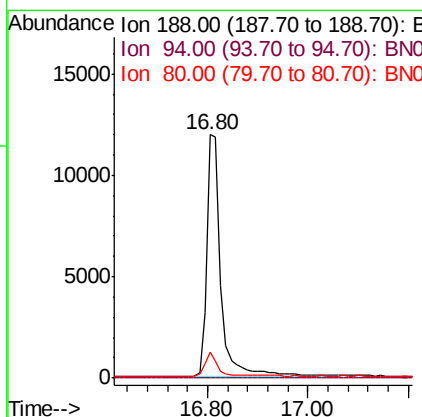
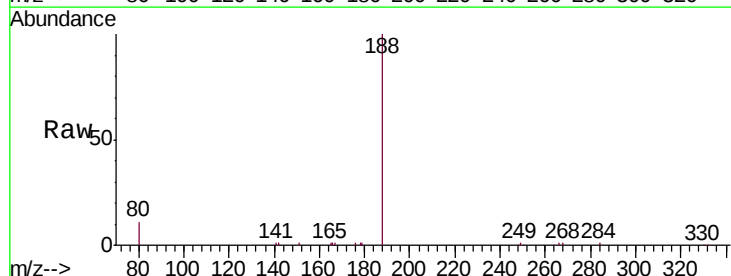
Instrument :
BNA_N
ClientSampled :
PB122289BL

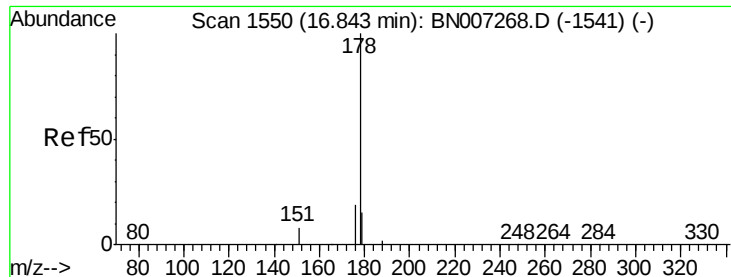
Tot Ion:172 Resp: 13439
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 22.7 18.7 28.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN007309.D
Acq: 22 Aug 2019 02:36

Tgt Ion:188 Resp: 23991
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.6 5.2 7.8#





#23

Phenanthrene

Concen: 0.031 ng

RT: 16.85 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

PB122289BL

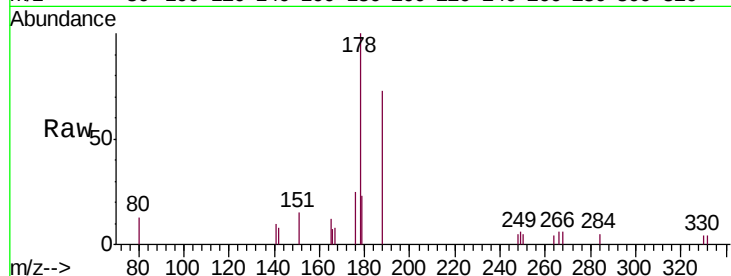
Tot Ion:178 Resp: 2341

Ion Ratio Lower Upper

178 100

176 17.5 15.2 22.8

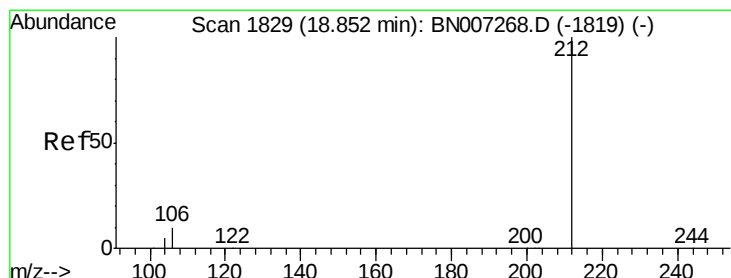
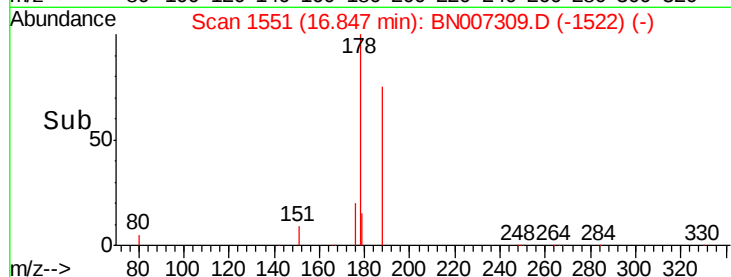
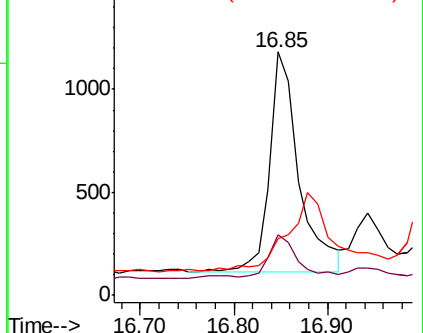
179 0.0 12.3 18.5#



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



#25

Fluoranthene-d10

Concen: 0.374 ng

RT: 18.85 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

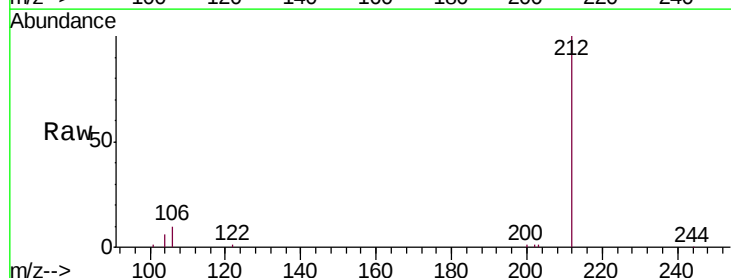
Tgt Ion:212 Resp: 28434

Ion Ratio Lower Upper

212 100

106 10.4 8.2 12.4

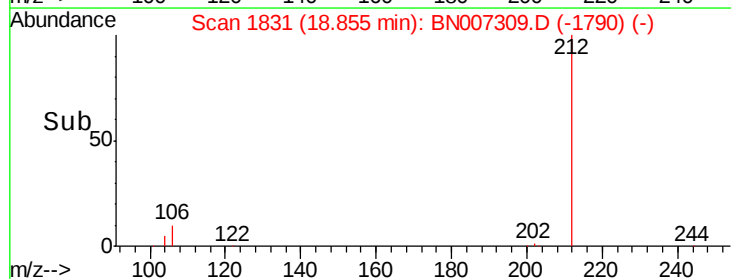
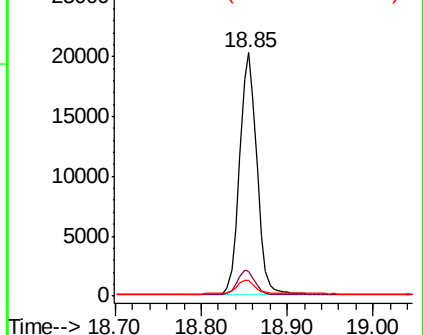
104 6.8 4.7 7.1

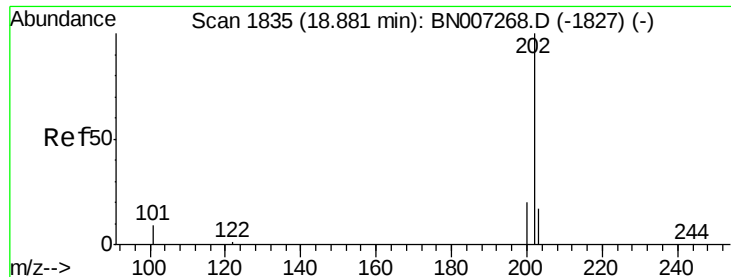


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

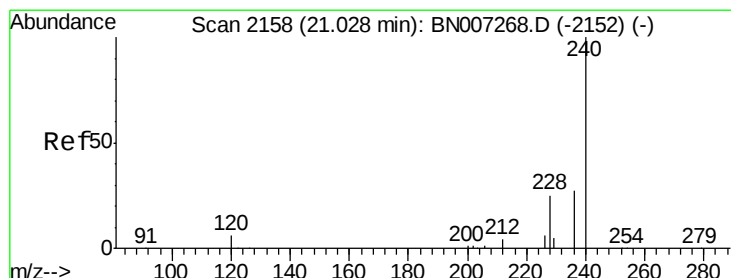
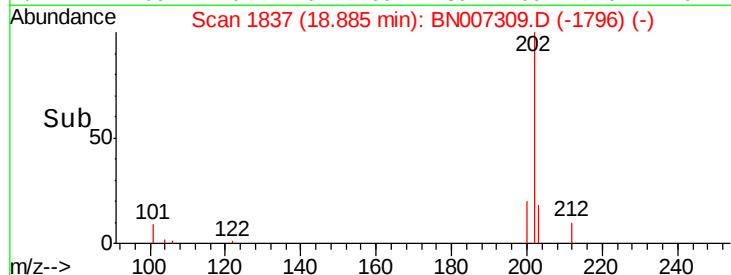
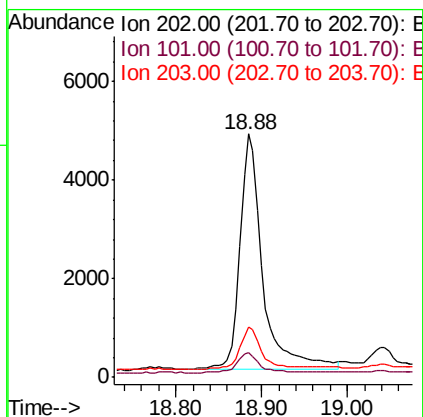
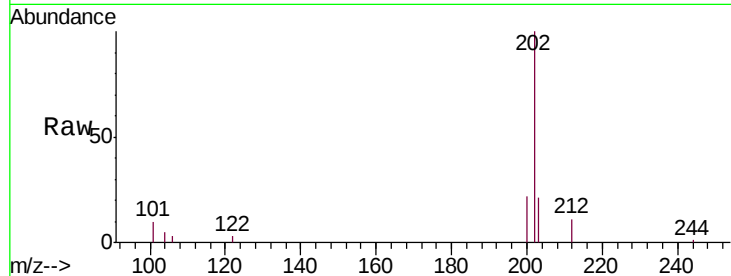




#26
Fluoranthene
Concen: 0.097 ng
RT: 18.88 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BN007309.D
Acq: 22 Aug 2019 02:36

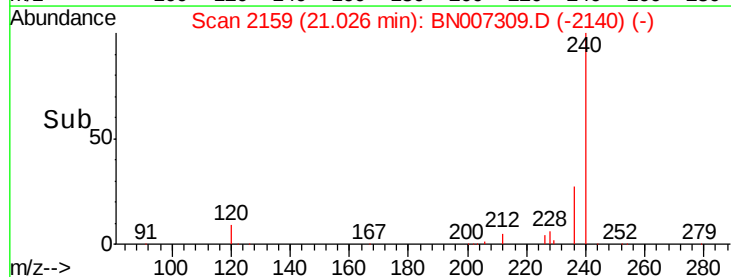
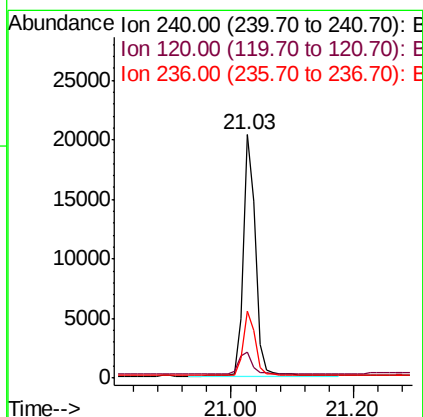
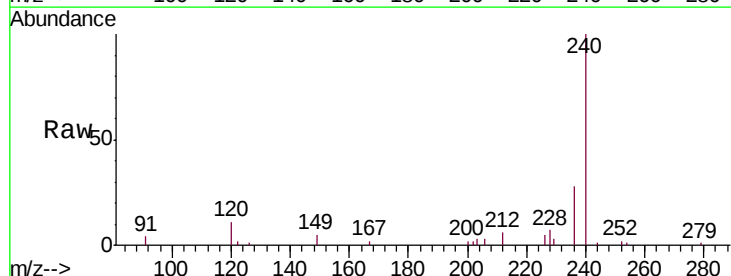
Instrument :
BNA_N
ClientSampleId :
PB122289BL

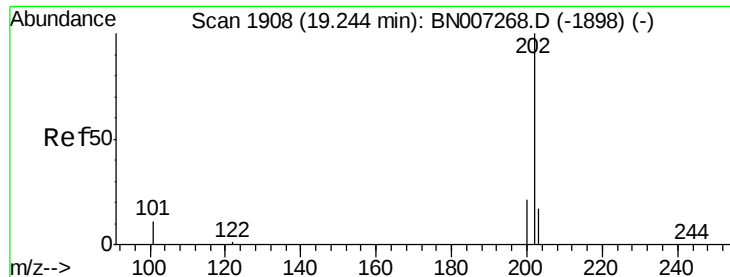
Tot Ion:202 Resp: 8873
Ion Ratio Lower Upper
202 100
101 8.8 7.2 10.8
203 17.8 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BN007309.D
Acq: 22 Aug 2019 02:36

Tgt Ion:240 Resp: 28233
Ion Ratio Lower Upper
240 100
120 10.8 5.6 8.4#
236 27.7 21.6 32.4

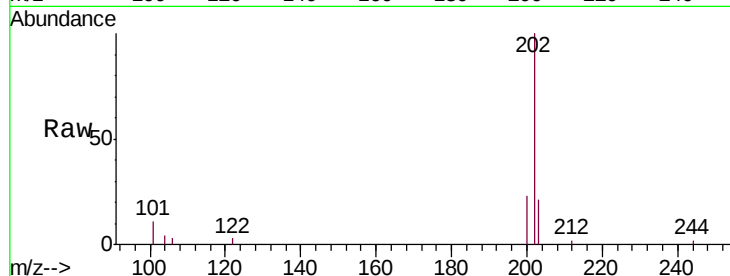




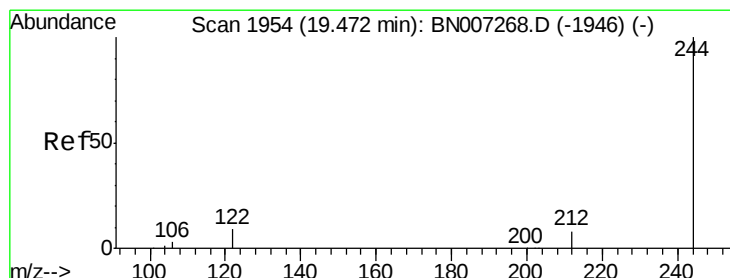
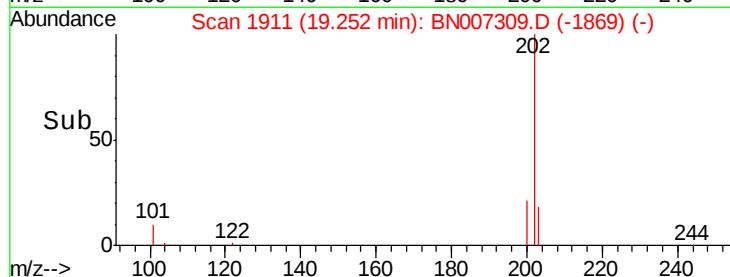
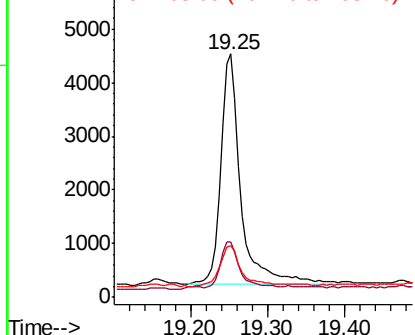
#28
Pvrene
Concen: 0.073 ng
RT: 19.25 min Scan# 1911
Delta R.T. 0.01 min
Lab File: BN007309.D
Acq: 22 Aug 2019 02:36

Instrument :
BNA_N
ClientSampleId :
PB122289BL

Tot Ion:202 Resp: 7710
Ion Ratio Lower Upper
202 100
200 19.4 16.7 25.1
203 18.6 13.9 20.9

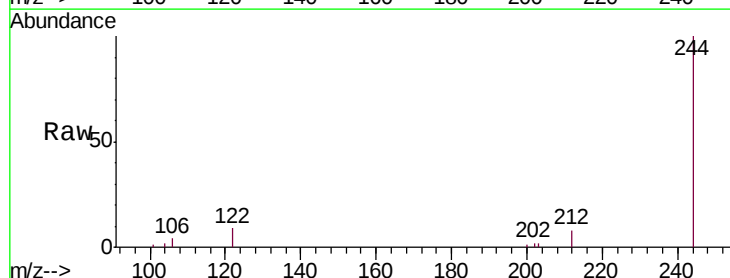


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

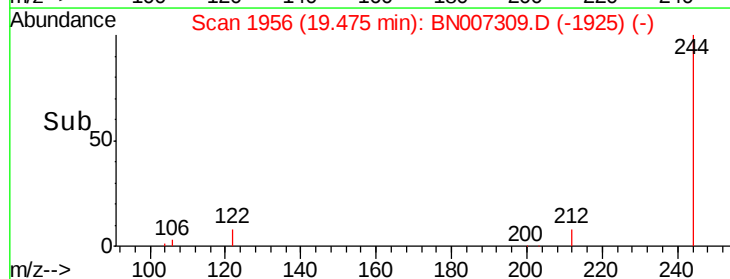
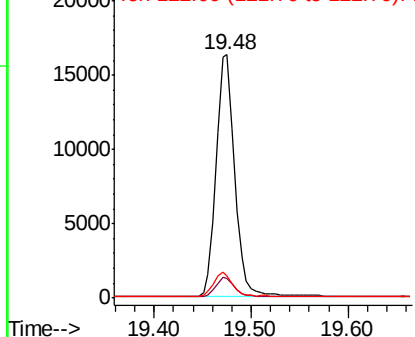


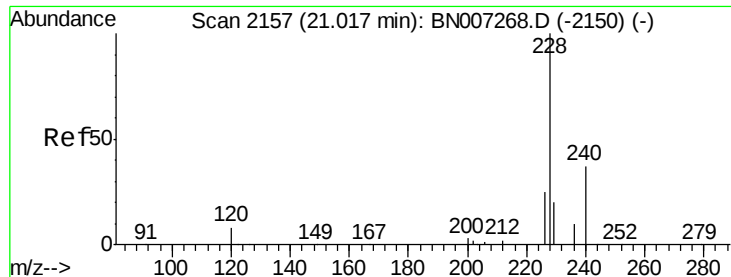
#29
Terphenyl-d14
Concen: 0.313 ng
RT: 19.48 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BN007309.D
Acq: 22 Aug 2019 02:36

Tgt Ion:244 Resp: 22090
Ion Ratio Lower Upper
244 100
212 8.3 6.5 9.7
122 9.2 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: 0.038 ng

RT: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

Instrument :

BNA_N

ClientSampleId :

PB122289BL

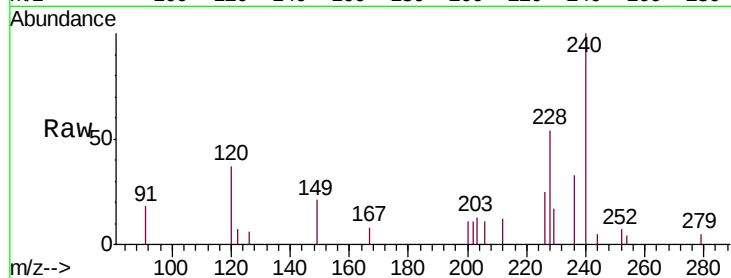
Tot Ion:228 Resp: 3964

Ion Ratio Lower Upper

228 100

226 45.3 20.6 30.8#

229 31.5 16.9 25.3#

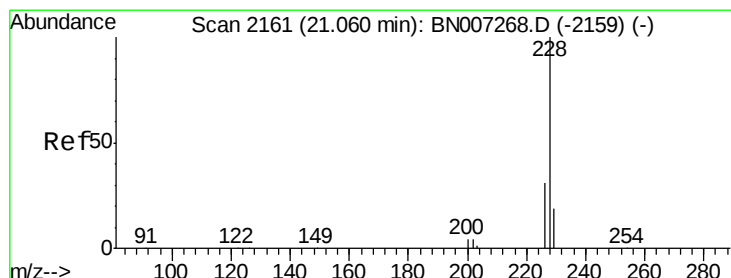
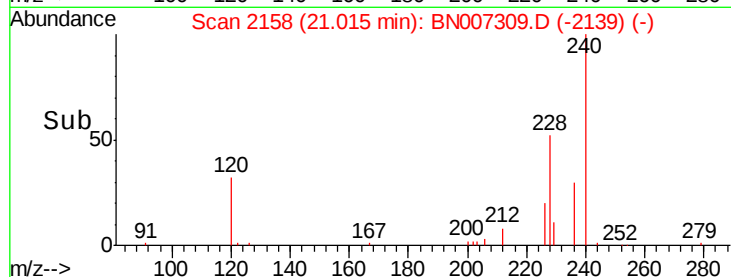
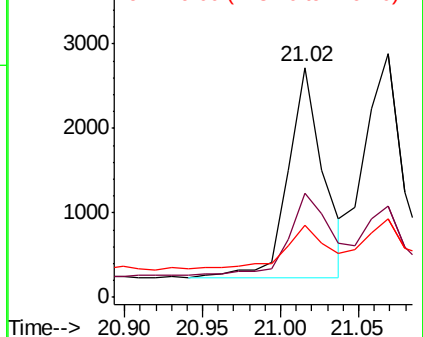


Abundance

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: 0.039 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.01 min

Lab File: BN007309.D

Acq: 22 Aug 2019 02:36

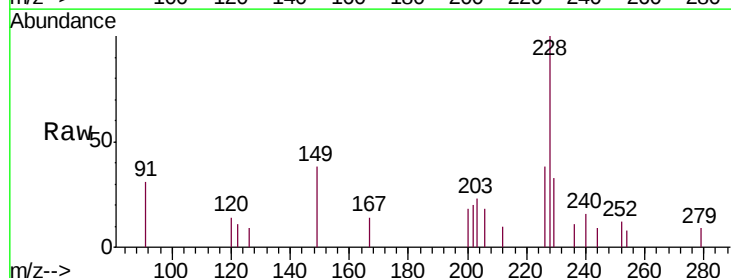
Tgt Ion:228 Resp: 4181

Ion Ratio Lower Upper

228 100

226 37.5 24.6 36.8#

229 32.5 15.6 23.4#

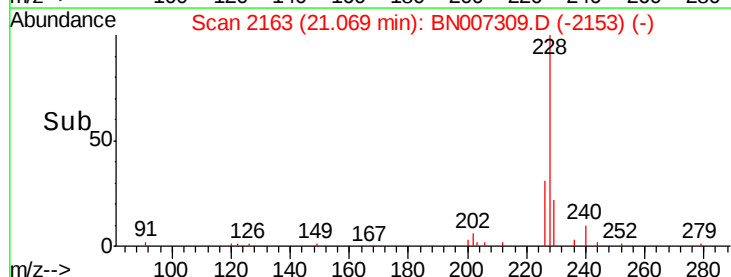
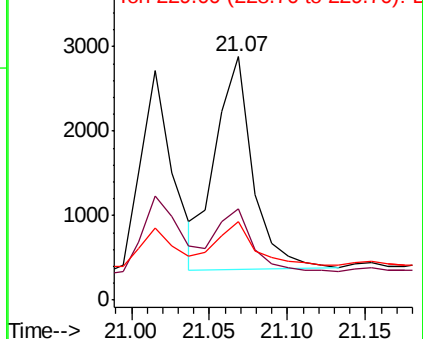


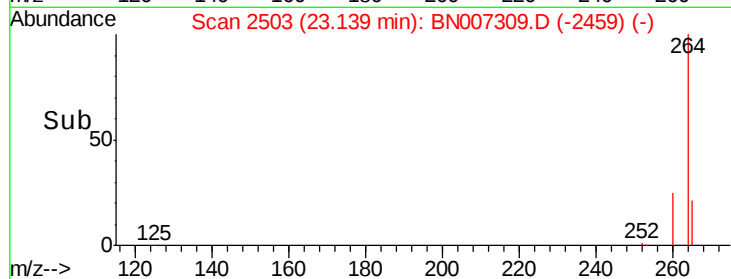
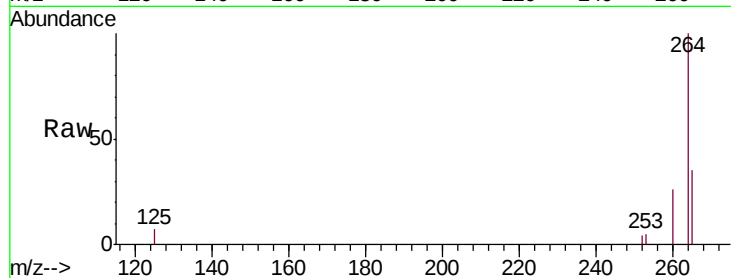
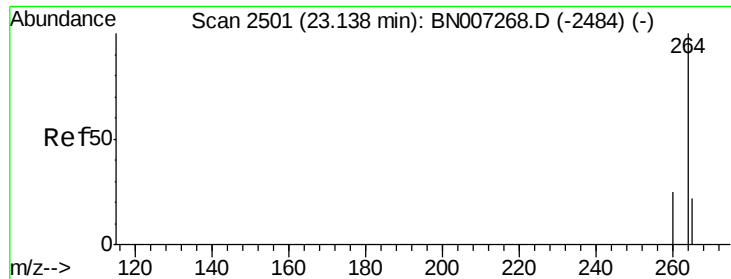
Abundance

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





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.14 min Scan# 2503
 Delta R.T. 0.00 min
 Lab File: BN007309.D
 Acq: 22 Aug 2019 02:36

Instrument :
 BNA_N
 ClientSampleId :
 PB122289BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.1	30.1
265	35.1	29.0	43.6

