

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081419\
 Data File : BN007169.D
 Acq On : 14 Aug 2019 18:41
 Operator : HP/JU
 Sample : PB122017BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 15 11:03:08 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	18095	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	74598	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	40702	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	87123	0.40	ng	0.00
26) Chrysene-d12	21.05	240	75388	0.40	ng	-0.01
32) Perylene-d12	23.16	264	85725	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	19870	0.46	ng	0.00
4) Phenol-d6	6.61	99	25712	0.48	ng	0.00
7) Nitrobenzene-d5	8.55	82	18907	0.31	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	38000	0.27	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	3806	0.17	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5954	0.10	ng	0.00
24) Fluoranthene-d10	18.87	212	79793	0.26	ng	0.00
28) Terphenyl-d14	19.49	244	60174	0.29	ng	-0.01

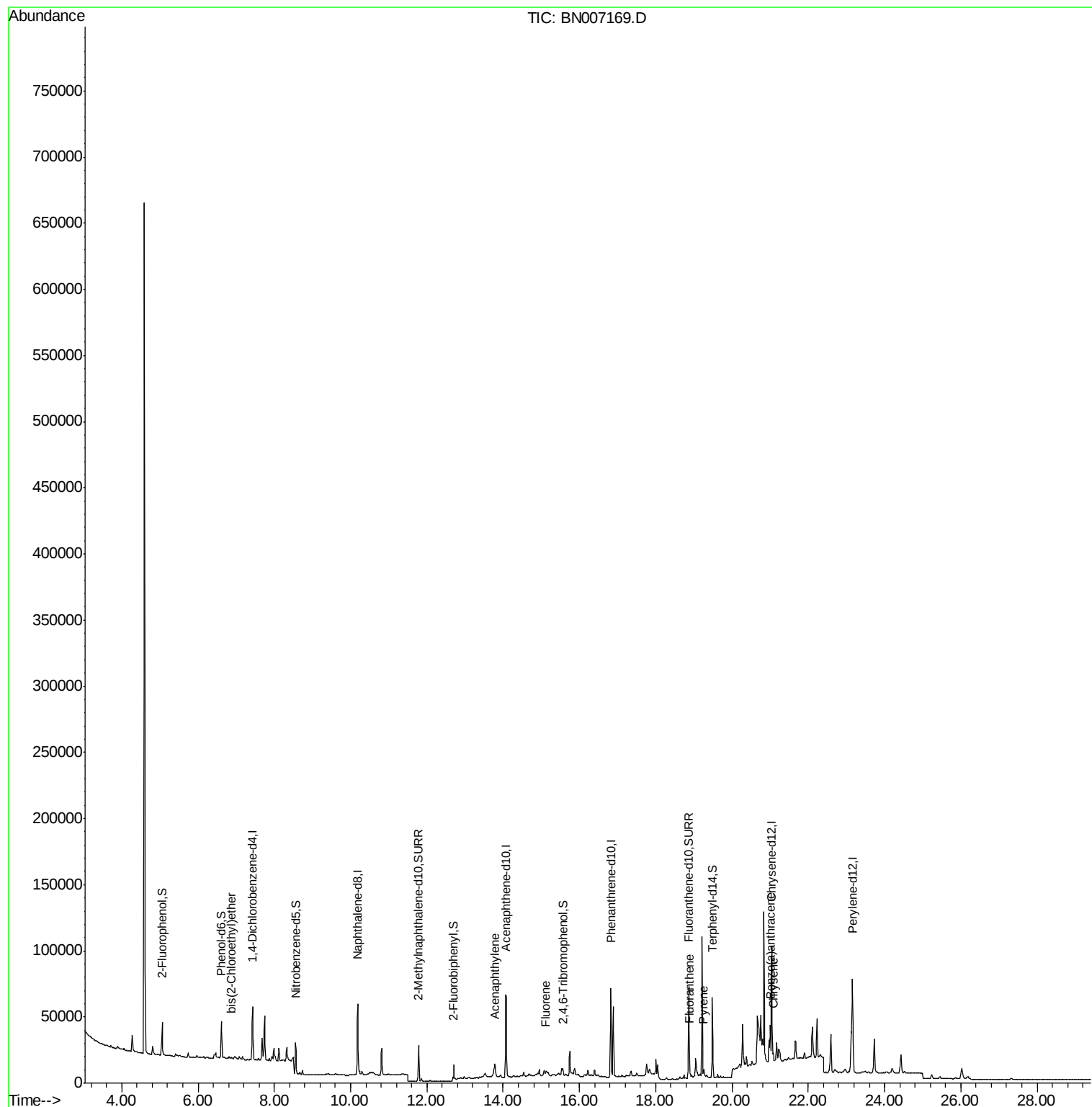
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) bis(2-Chloroethyl)ether	6.88	93	1028	0.022	ng	# 52
15) Acenaphthylene	13.78	152	26353	0.124	ng	# 98
17) Fluorene	15.12	166	5289	0.026	ng	# 63
25) Fluoranthene	18.90	202	6966	0.021	ng	# 86
27) Pyrene	19.26	202	6270	0.024	ng	# 76
29) Benzo(a)anthracene	21.02	228	5538	0.020	ng	# 1
30) Chrysene	21.08	228	6477	0.024	ng	# 68

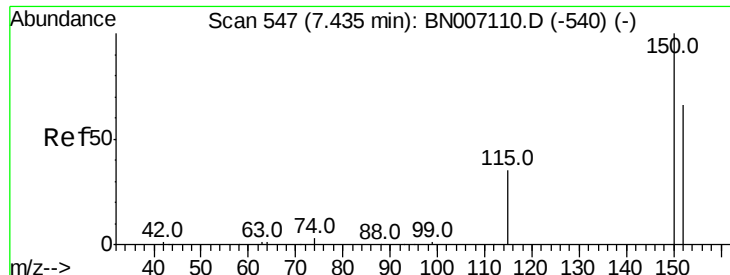
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN007169.D

Acq: 14 Aug 2019 18:41

Instrument :

BNA_N

ClientSampleId :

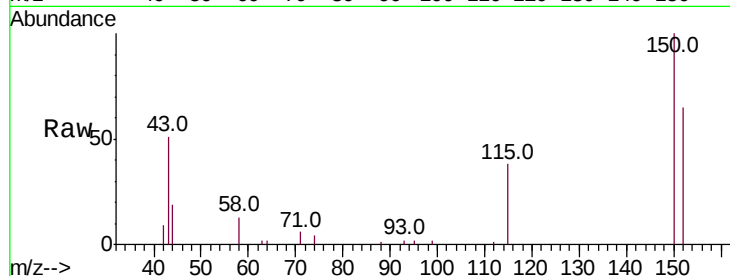
Tot Ion:152 Resp: 18095

Ion Ratio Lower Upper

152 100

150 154.1 121.7 182.5

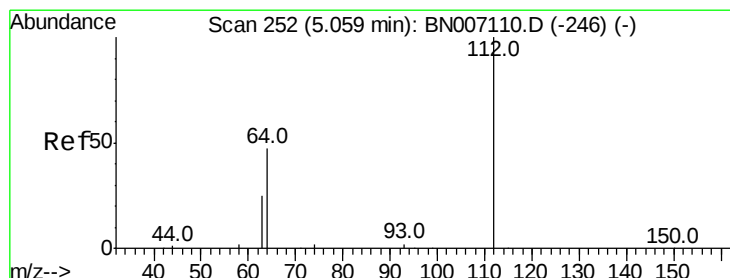
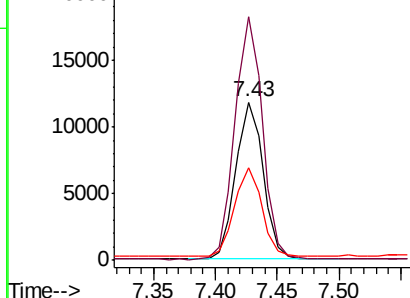
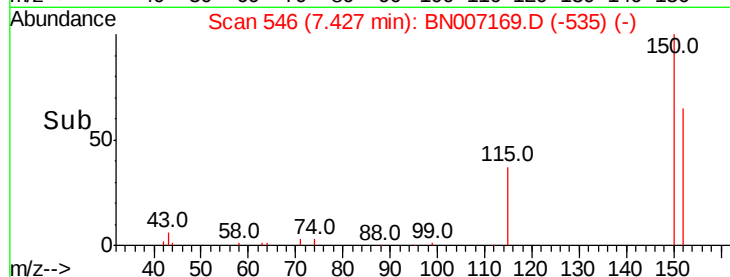
115 59.0 46.2 69.4



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: 0.457 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

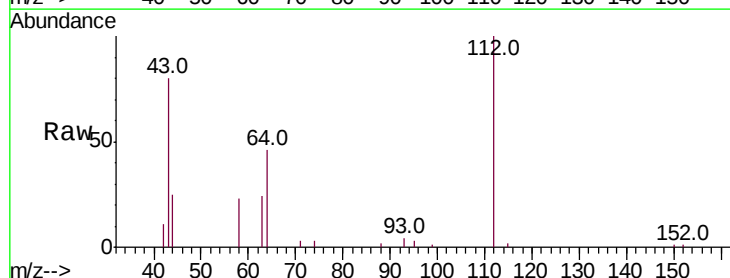
Tgt Ion:112 Resp: 19870

Ion Ratio Lower Upper

112 100

64 51.3 42.6 63.8

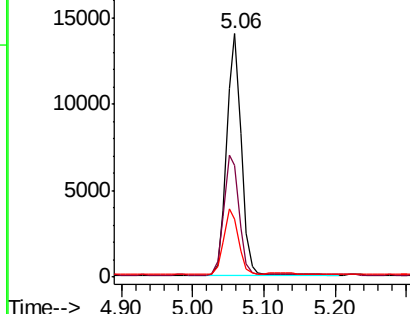
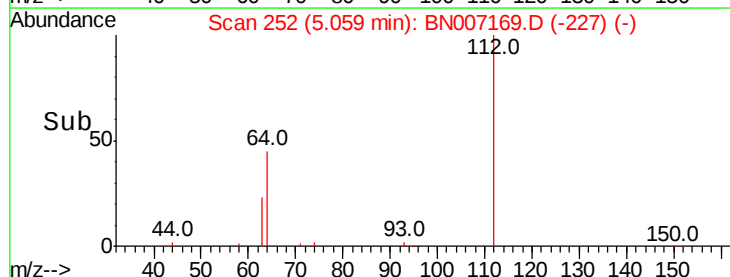
63 26.9 22.2 33.2

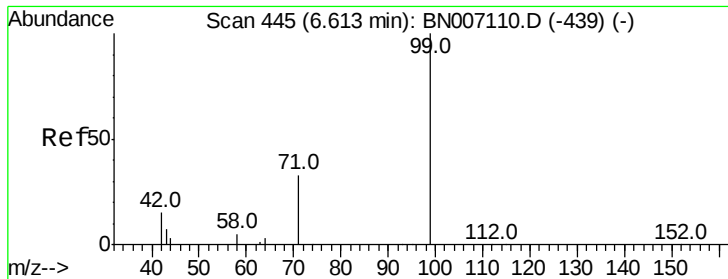


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#4

Phenol-d6

Concen: 0.477 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

Instrument :

BNA_N

ClientSampleId :

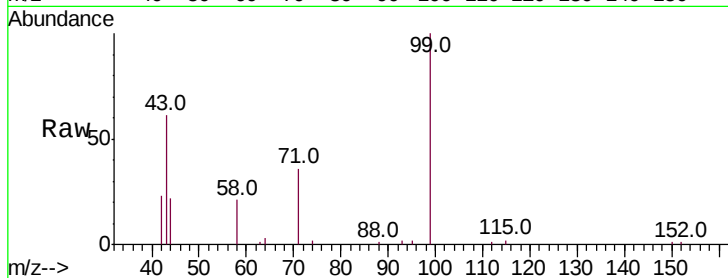
Tot Ion: 99 Resp: 25712

Ion Ratio Lower Upper

99 100

42 16.5 15.8 23.6

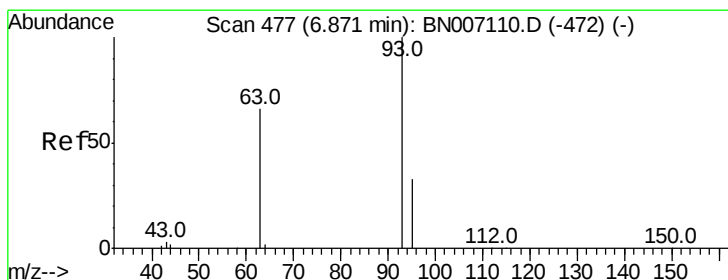
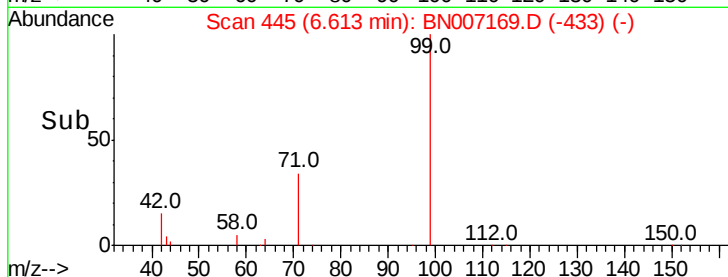
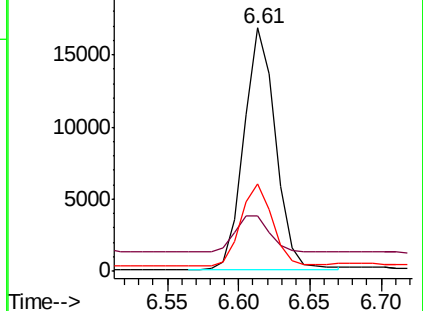
71 34.3 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BN007169.D (-433) (-)

Ion 42.00 (41.70 to 42.70): BN007169.D (-433) (-)

Ion 71.00 (70.70 to 71.70): BN007169.D (-433) (-)



#5

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 6.88 min Scan# 478

Delta R.T. 0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

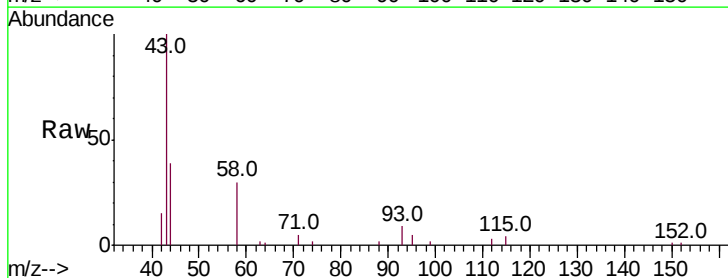
Tgt Ion: 93 Resp: 1028

Ion Ratio Lower Upper

93 100

63 12.1 55.6 83.4#

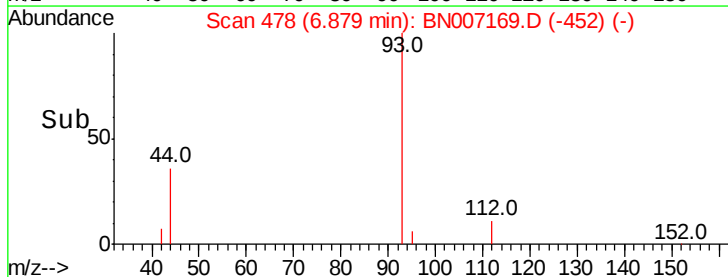
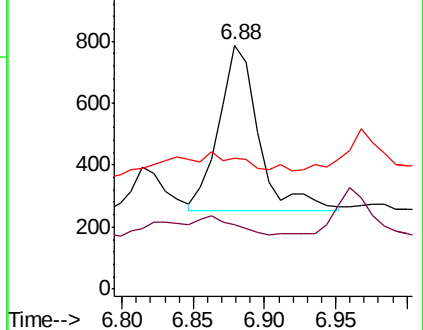
95 34.4 26.7 40.1

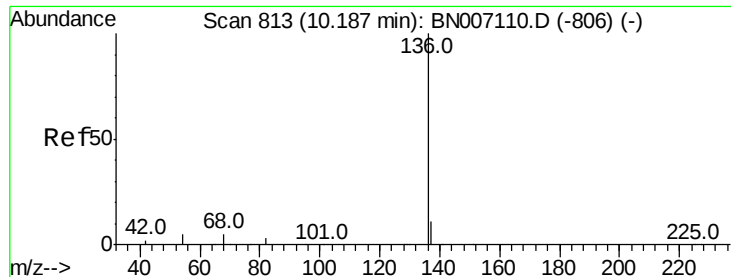


Abundance Ion 93.00 (92.70 to 93.70): BN007169.D (-452) (-)

Ion 63.00 (62.70 to 63.70): BN007169.D (-452) (-)

Ion 95.00 (94.70 to 95.70): BN007169.D (-452) (-)





#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 74598

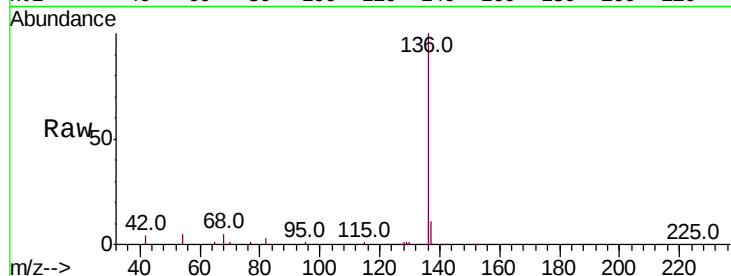
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 4.6 6.6 9.8#

68 4.8 6.0 9.0#



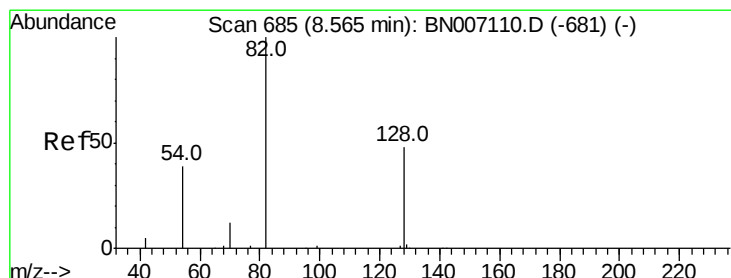
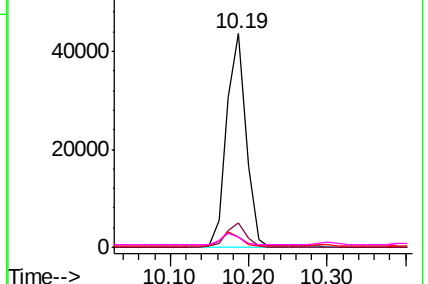
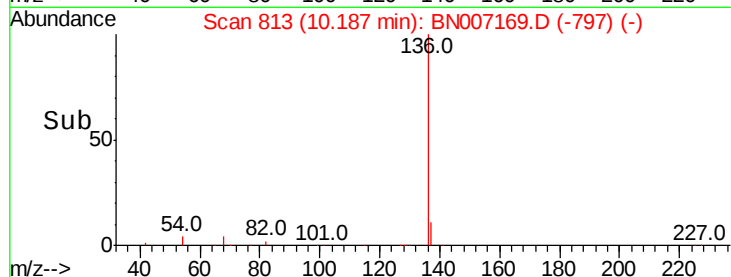
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#7

Nitrobenzene-d5

Concen: 0.314 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

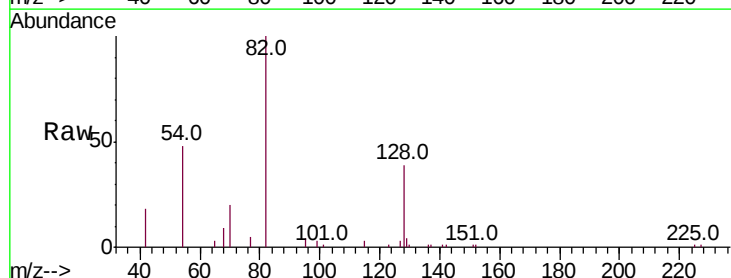
Tgt Ion: 82 Resp: 18907

Ion Ratio Lower Upper

82 100

128 39.2 34.6 51.8

54 48.2 36.2 54.4

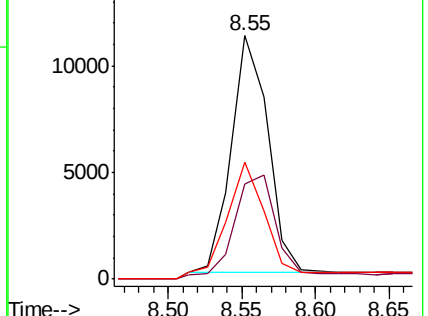
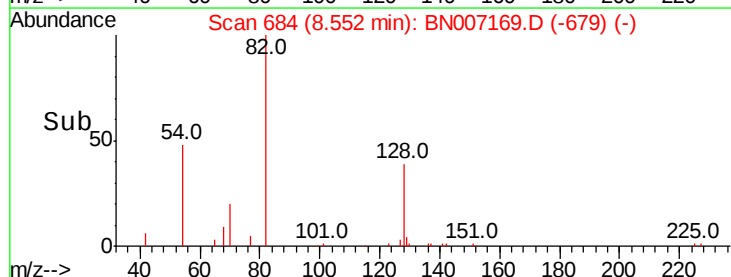


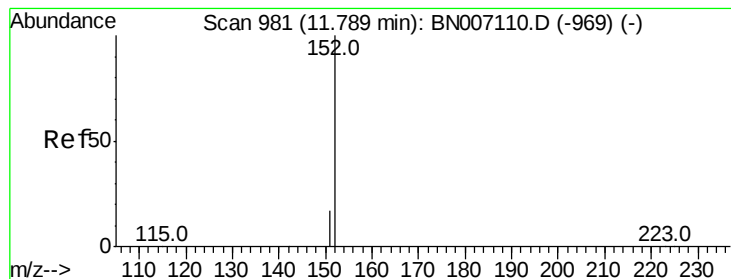
Abundance

Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#10

2-Methylnaphthalene-d10

Concen: 0.273 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

Instrument :

BNA_N

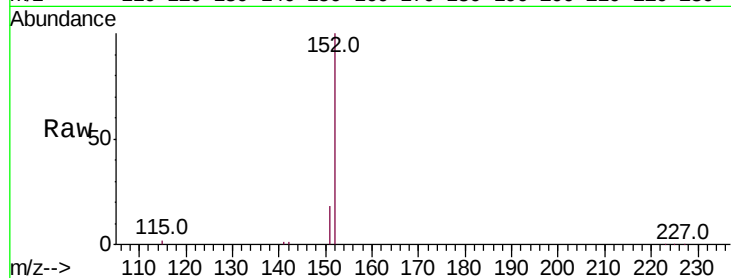
ClientSampleId :

Tot Ion:152 Resp: 38000

Ion Ratio Lower Upper

152 100

151 19.4 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.79

25000

20000

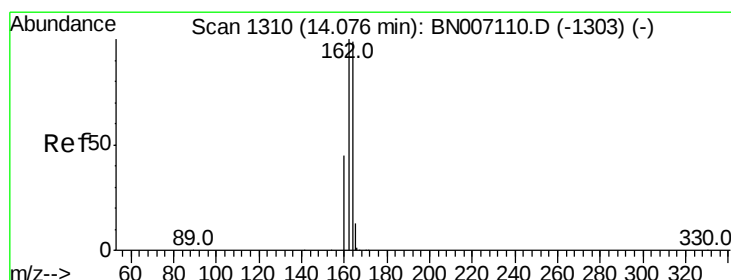
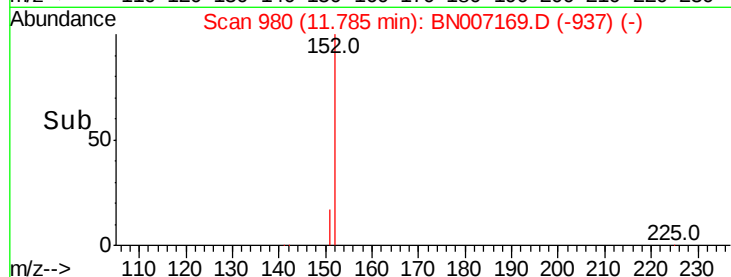
15000

10000

5000

0

Time--> 11.70 11.80 11.90



#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

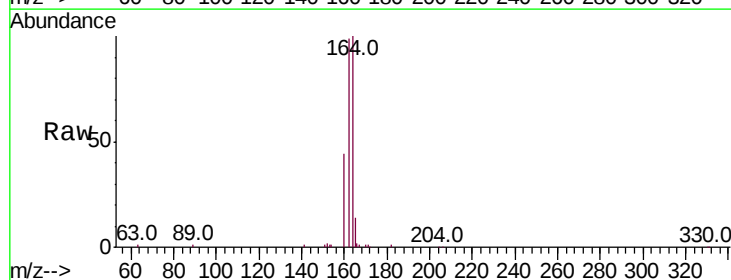
Tgt Ion:164 Resp: 40702

Ion Ratio Lower Upper

164 100

162 99.5 82.2 123.4

160 44.2 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

14.08

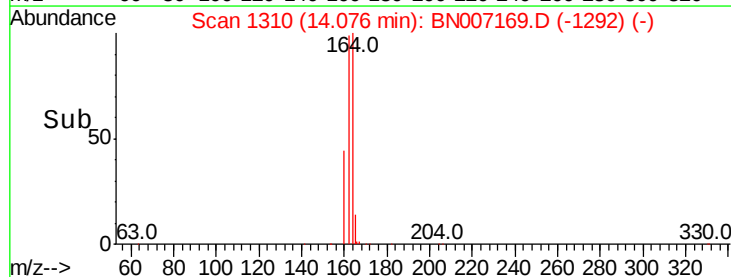
30000

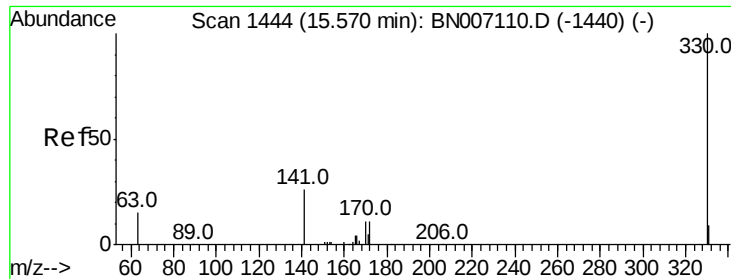
20000

10000

0

Time--> 14.00 14.10 14.20

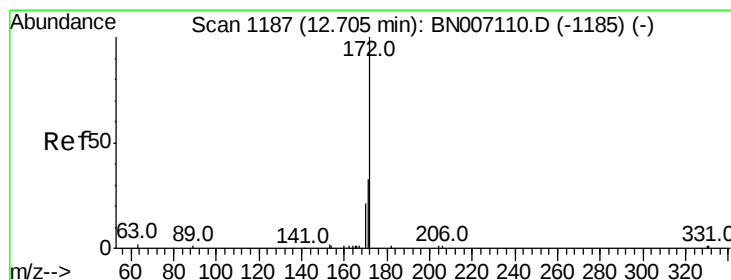
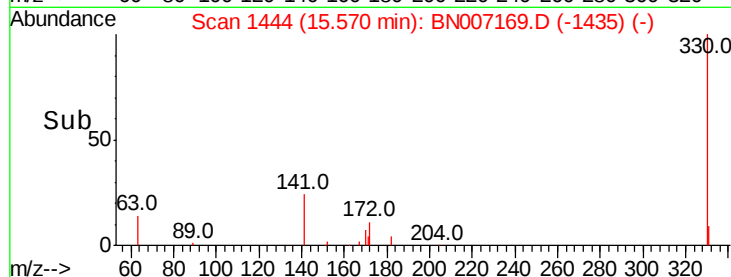
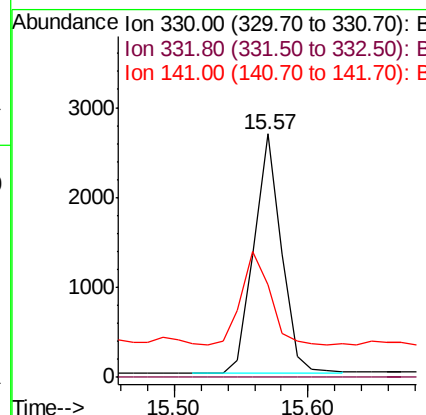
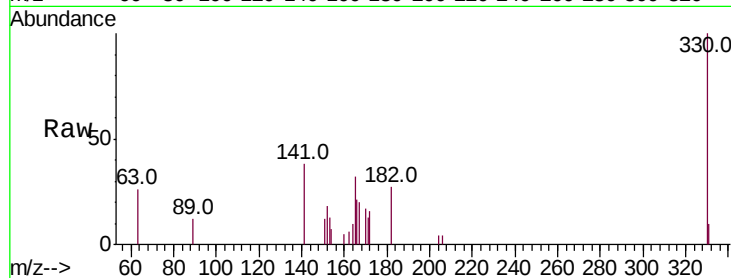




#13
 2,4,6-Tribromophenol
 Concen: 0.174 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007169.D
 Acq: 14 Aug 2019 18:41

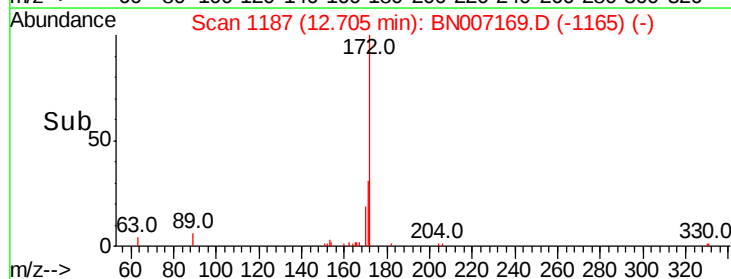
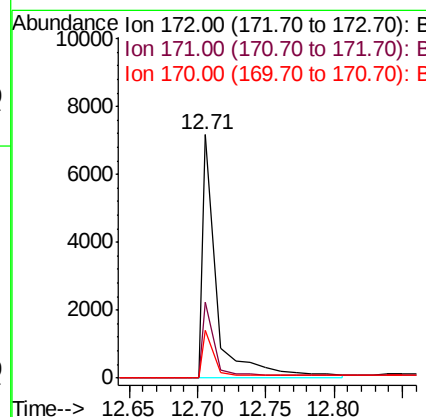
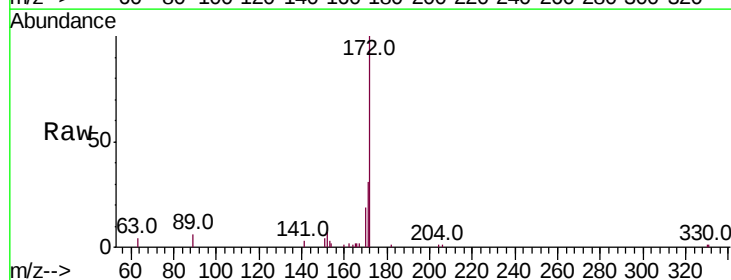
Instrument :
 BNA_N
 ClientSampleId :

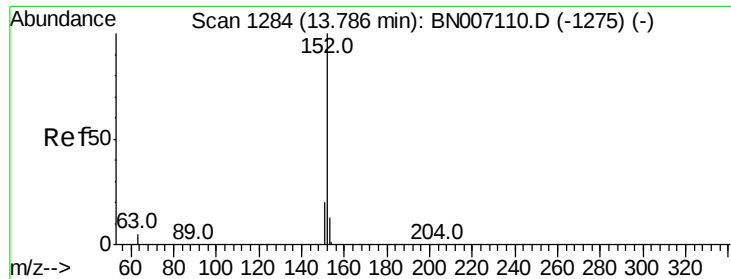
Tot Ion:330 Resp: 3806
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 39.9 33.6 50.4



#14
 2-Fluorobiphenyl
 Concen: 0.101 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007169.D
 Acq: 14 Aug 2019 18:41

Tgt Ion:172 Resp: 5954
 Ion Ratio Lower Upper
 172 100
 171 31.0 26.3 39.5
 170 19.5 17.0 25.4





#15

Acenaphthylene

Concen: 0.124 ng

RT: 13.78 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

Instrument :

BNA_N

ClientSampled :

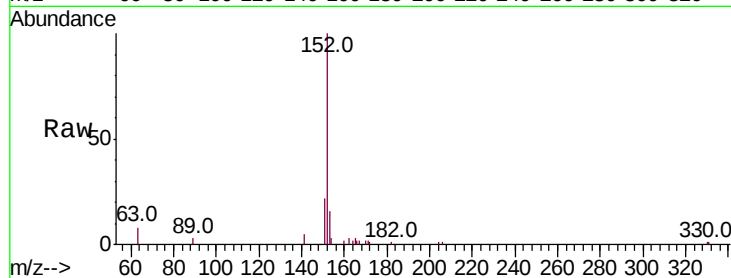
Tot Ion:152 Resp: 26353

Ion Ratio Lower Upper

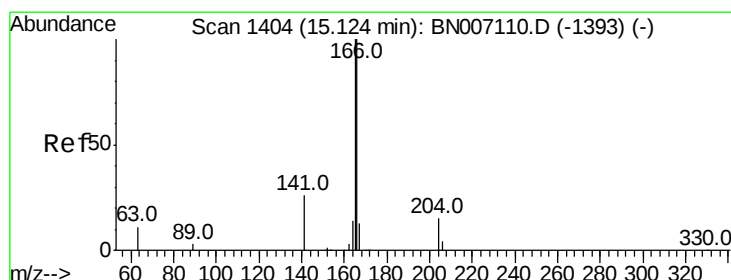
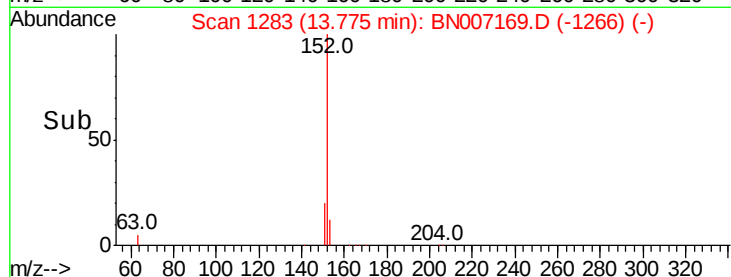
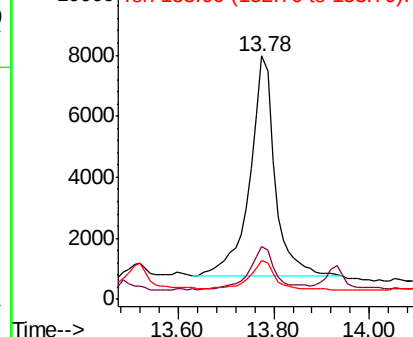
152 100

151 19.4 15.8 23.6

153 14.3 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#17

Fluorene

Concen: 0.026 ng

RT: 15.12 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

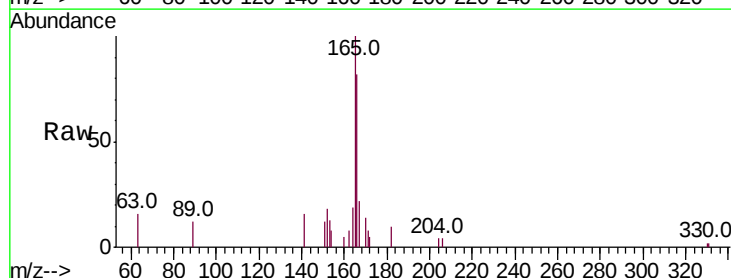
Tgt Ion:166 Resp: 5289

Ion Ratio Lower Upper

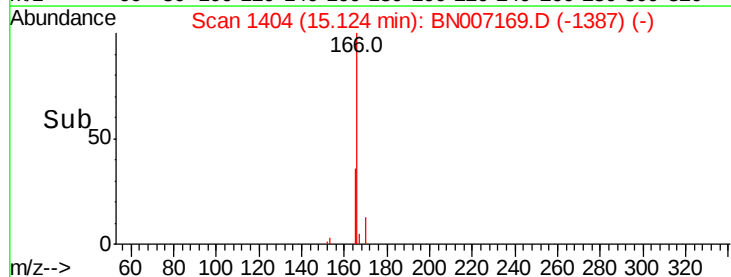
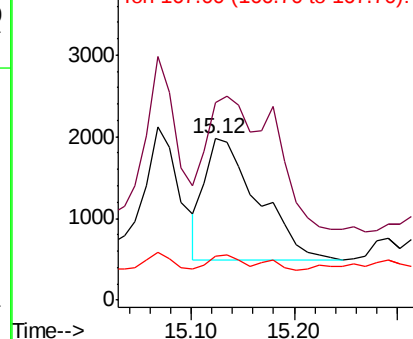
166 100

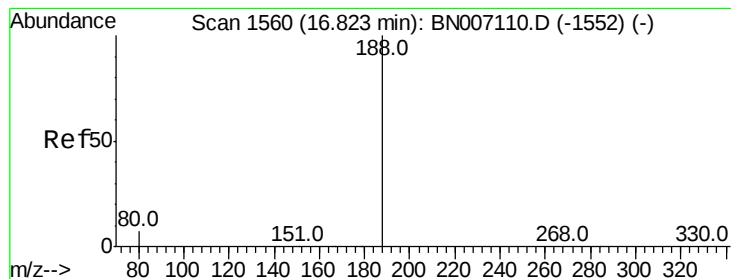
165 136.9 77.9 116.9#

167 7.1 10.9 16.3#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

Instrument :

BNA_N

ClientSampleId :

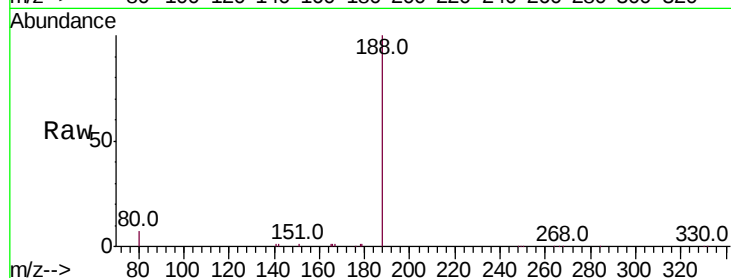
Tot Ion:188 Resp: 87123

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

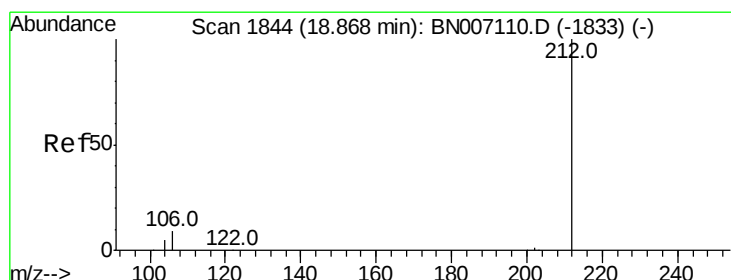
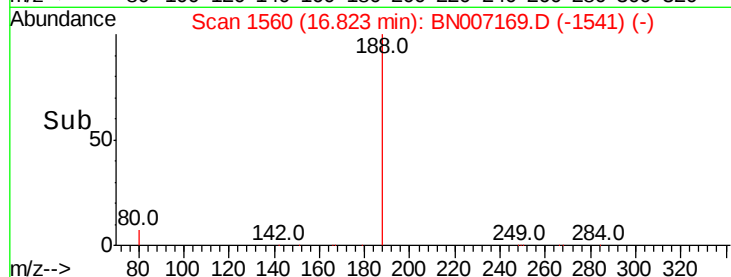
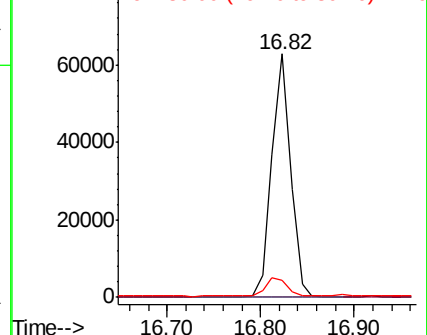
80 7.3 7.8 11.6#



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



#24

Fluoranthene-d10

Concen: 0.258 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

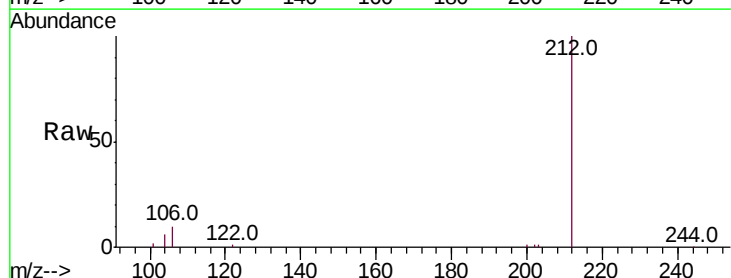
Tgt Ion:212 Resp: 79793

Ion Ratio Lower Upper

212 100

106 10.4 8.2 12.2

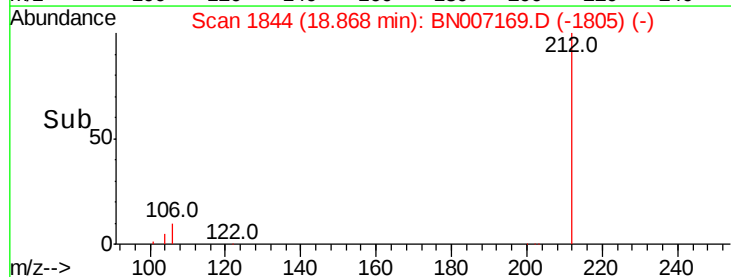
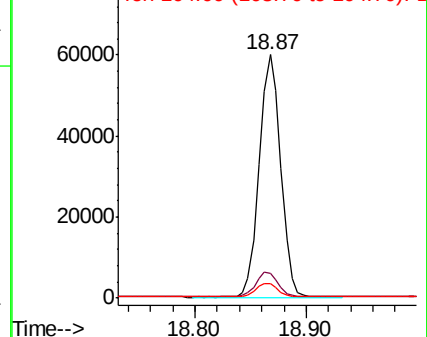
104 5.7 4.5 6.7

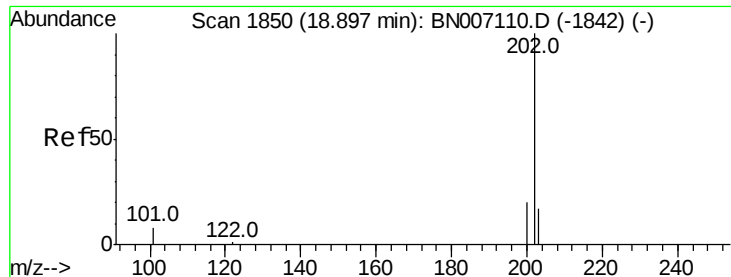


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.021 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

Instrument :

BNA_N

ClientSampled :

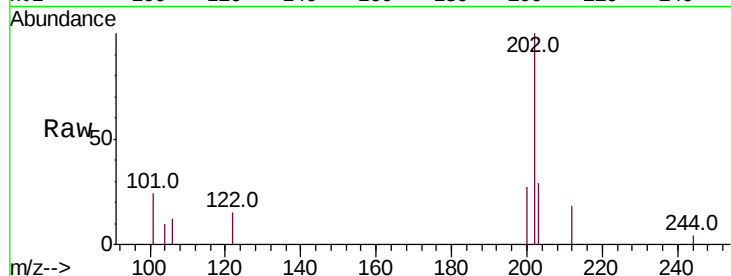
Tot Ion:202 Resp: 6966

Ion Ratio Lower Upper

202 100

101 0.0 7.0 10.4#

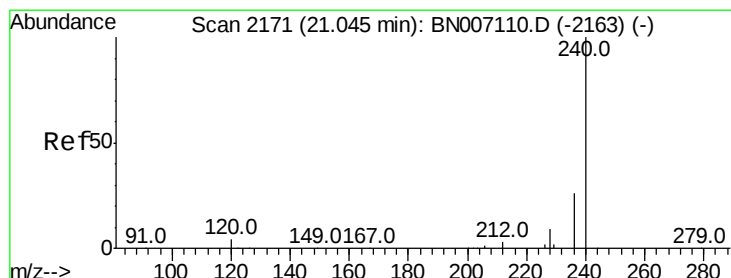
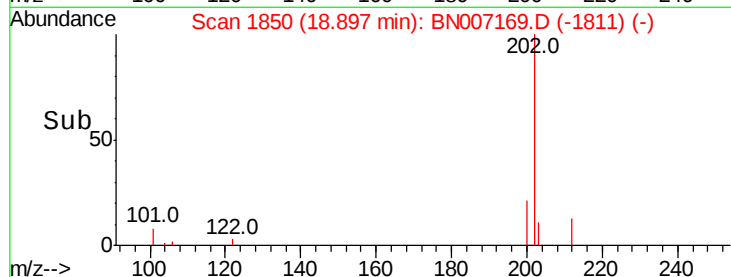
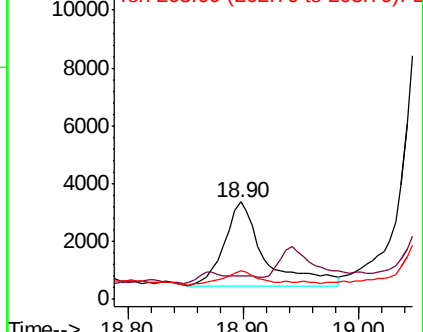
203 13.5 13.8 20.8#



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: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

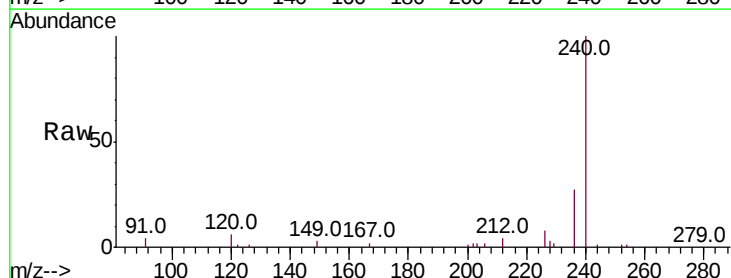
Tgt Ion:240 Resp: 75388

Ion Ratio Lower Upper

240 100

120 6.5 4.0 6.0#

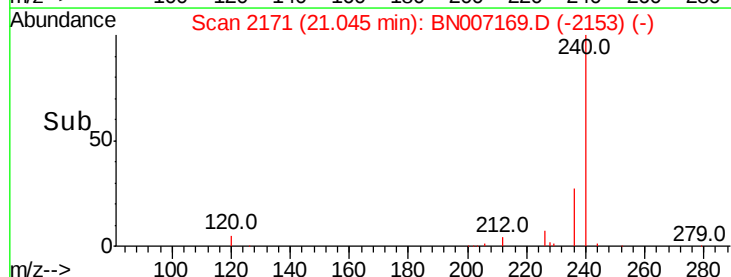
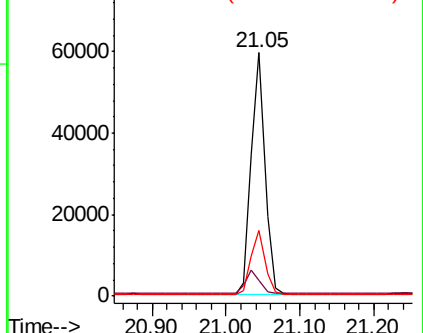
236 27.2 21.3 31.9

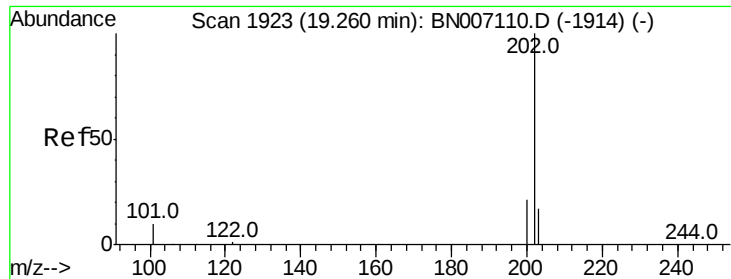


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

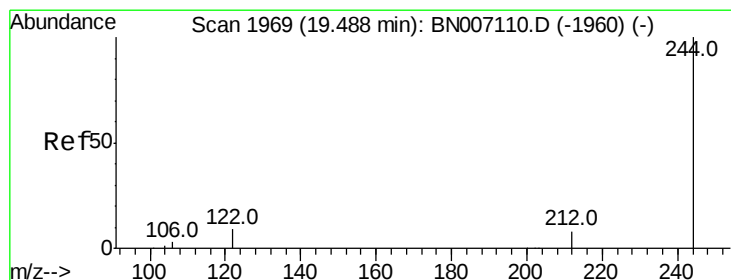
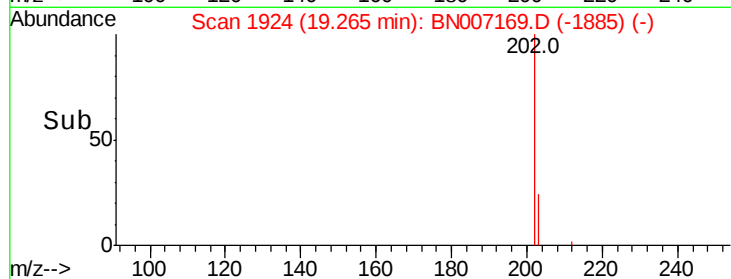
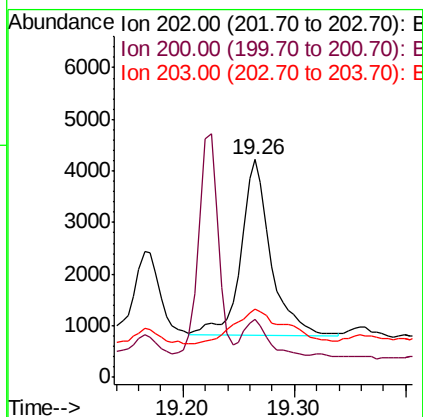
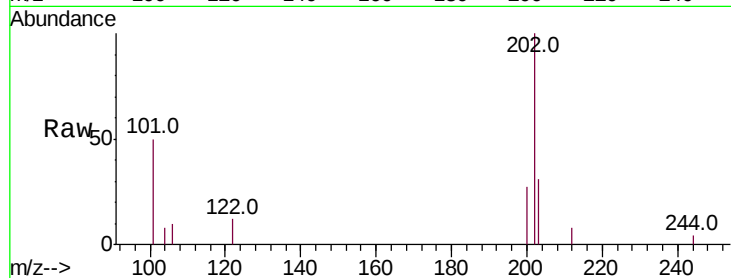




#27
Pvrene
Concen: 0.024 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007169.D
Acq: 14 Aug 2019 18:41

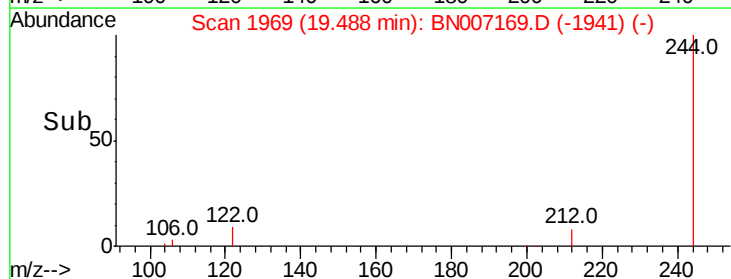
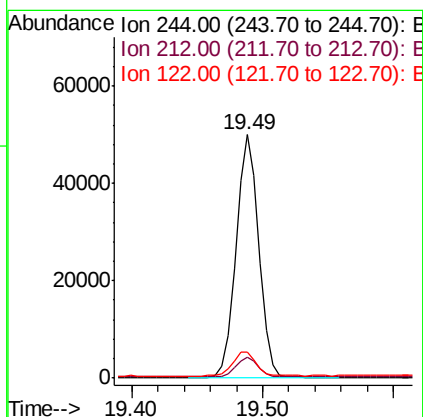
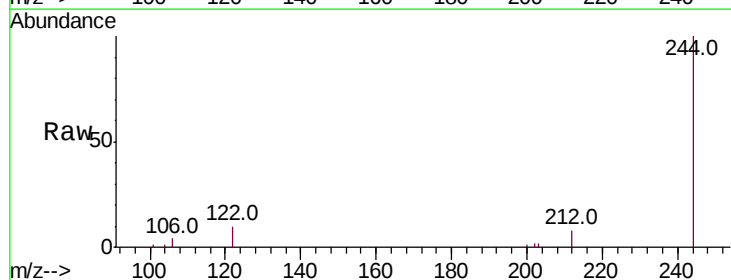
Instrument :
BNA_N
ClientSampleId :

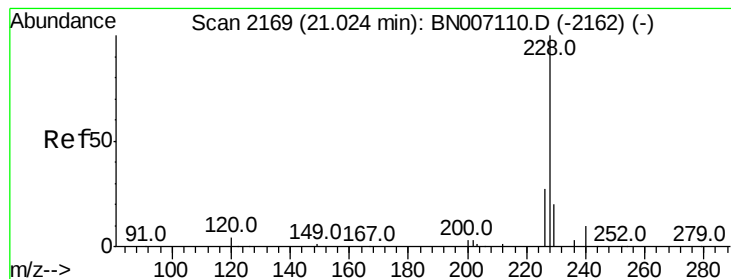
Tot Ion:202 Resp: 6270
Ion Ratio Lower Upper
202 100
200 16.3 16.6 24.8#
203 35.5 14.0 21.0#



#28
Terphenyl-d14
Concen: 0.293 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007169.D
Acq: 14 Aug 2019 18:41

Tgt Ion:244 Resp: 60174
Ion Ratio Lower Upper
244 100
212 8.4 6.2 9.2
122 10.5 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.020 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

Instrument :

BNA_N

ClientSampled :

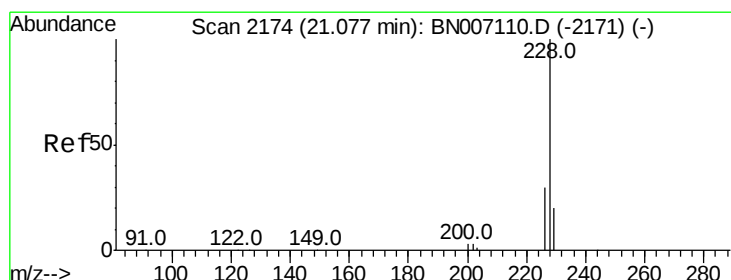
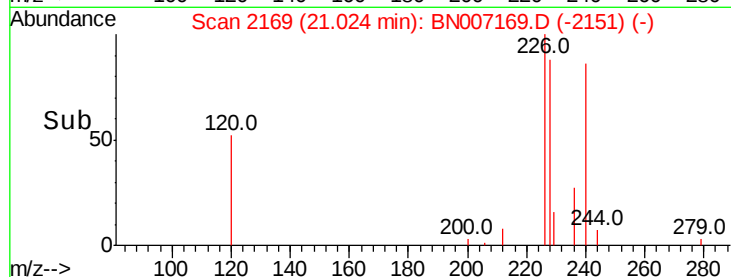
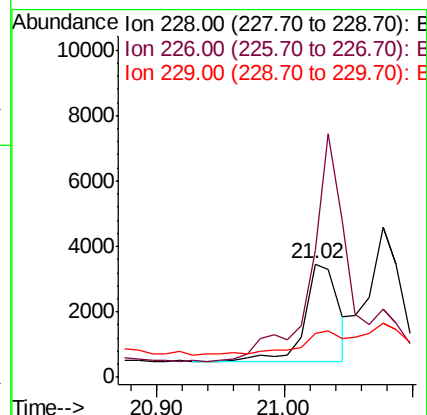
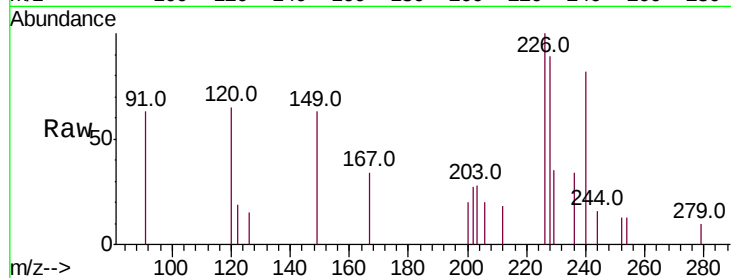
Tot Ion:228 Resp: 5538

Ion Ratio Lower Upper

228 100

226 112.6 21.8 32.6#

229 39.3 15.6 23.4#



#30

Chrysene

Concen: 0.024 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

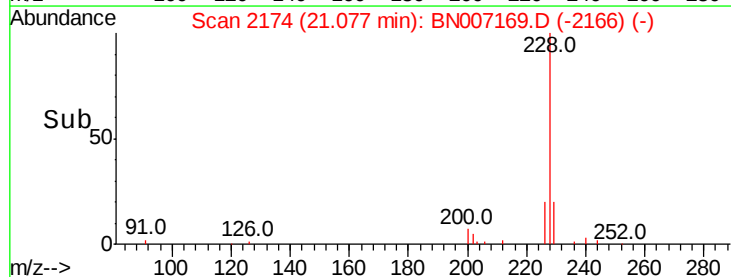
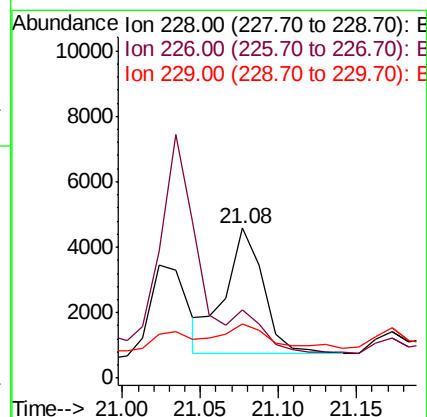
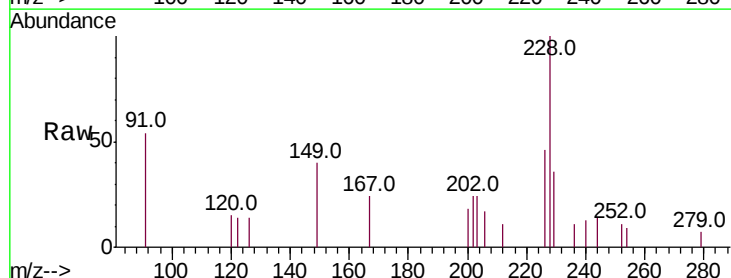
Tgt Ion:228 Resp: 6477

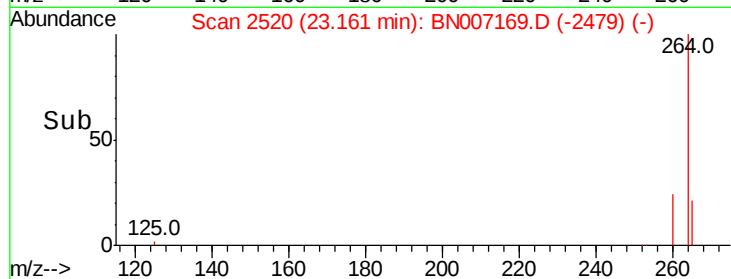
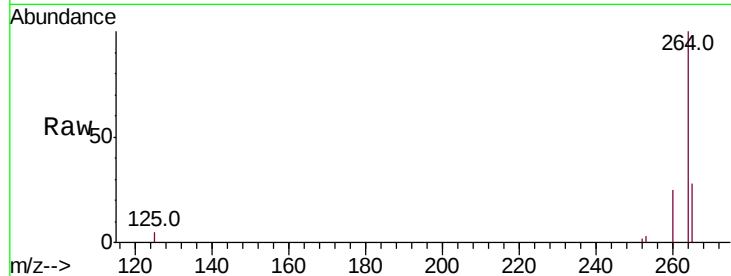
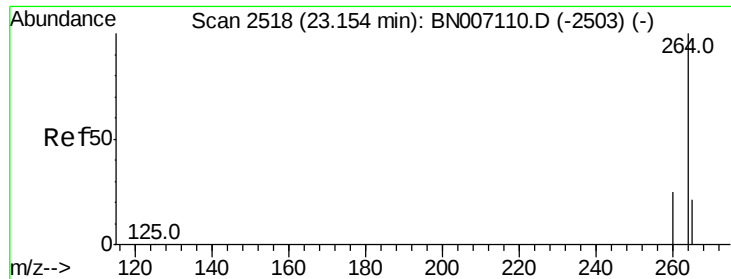
Ion Ratio Lower Upper

228 100

226 45.5 23.8 35.6#

229 36.1 15.7 23.5#





#32

Pervlene-d12

Concen: 0.400 ng

RT: 23.16 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BN007169.D

Acq: 14 Aug 2019 18:41

Instrument :

BNA_N

ClientSampleId :

Tot Ion:264 Resp: 85725

Ion Ratio Lower Upper

264 100

260 25.0 19.8 29.8

265 28.0 26.2 39.4

