

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110718\
 Data File : BN003458.D
 Acq On : 07 Nov 2018 18:55
 Operator : MJ/SJ
 Sample : J5829-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 08 14:33:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 07 08:25:32 2018
 Response via : Initial Calibration

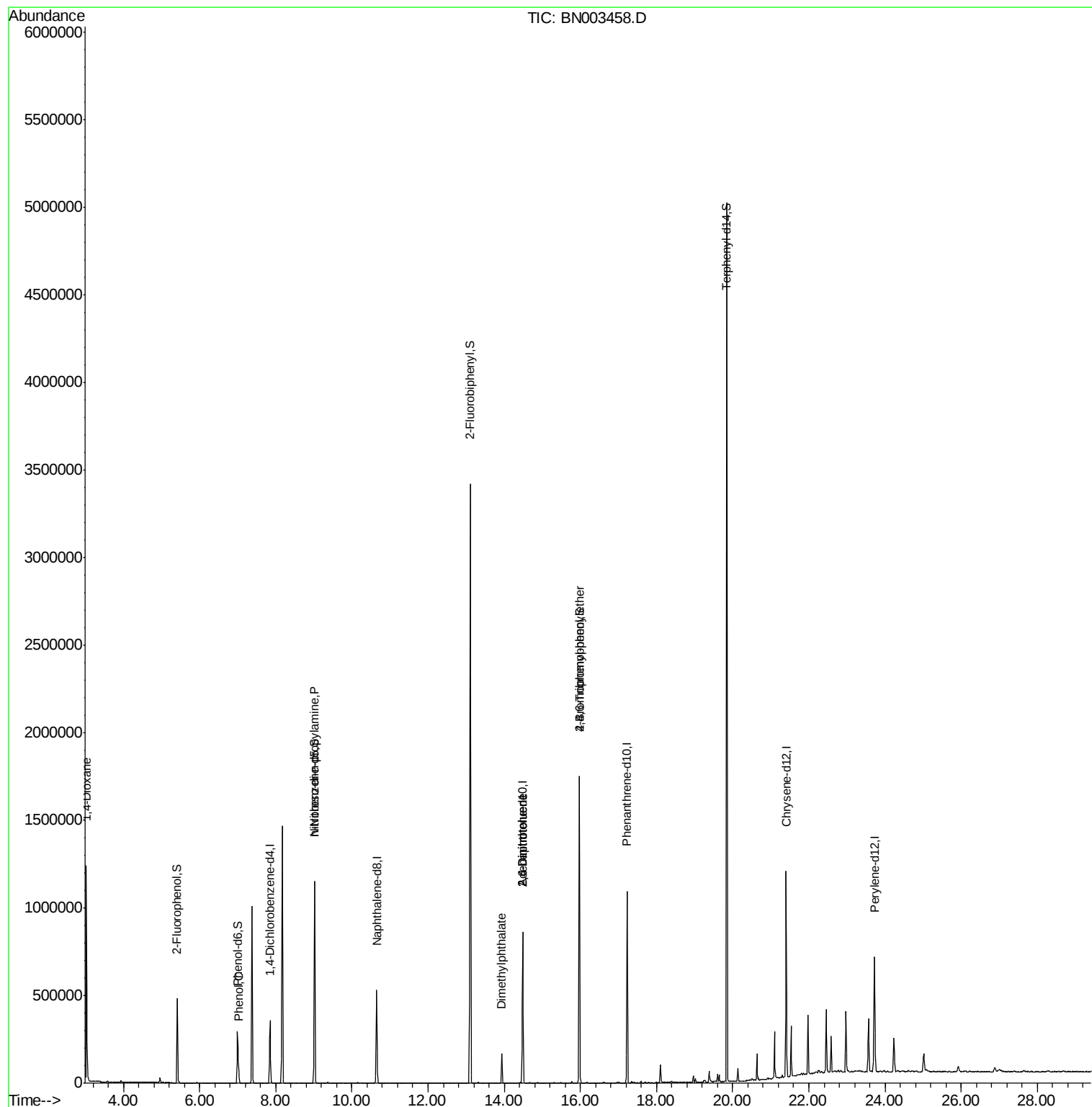
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	102122	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	456748	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	281186	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	629520	20.00	ng	0.00
76) Chrysene-d12	21.40	240	521035	20.00	ng	0.00
87) Perylene-d12	23.72	264	484814	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	220550	37.62	ng	0.00
7) Phenol-d6	7.00	99	174796	20.97	ng	-0.01
23) Nitrobenzene-d5	9.02	82	667855	83.86	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	366305	96.75	ng	0.00
45) 2-Fluorobiphenyl	13.11	172	1865360	89.98	ng	0.00
79) Terphenyl-d14	19.85	244	2423778	99.48	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.03	88	9644	3.464	ng	# 1
10) Phenol	7.03	94	45462	5.167	ng	# 97
19) n-Nitroso-di-n-propylamine	9.02	70	85001	14.139	ng	# 76
50) Dimethylphthalate	13.93	163	113077	4.974	ng	# 100
51) 2,6-Dinitrotoluene	14.49	165	36096	6.995	ng	# 29
57) 2,4-Dinitrotoluene	14.49	165	36096	5.159	ng	# 19
67) 4-Bromophenyl-phenylether	15.97	248	23735	3.348	ng	# 1

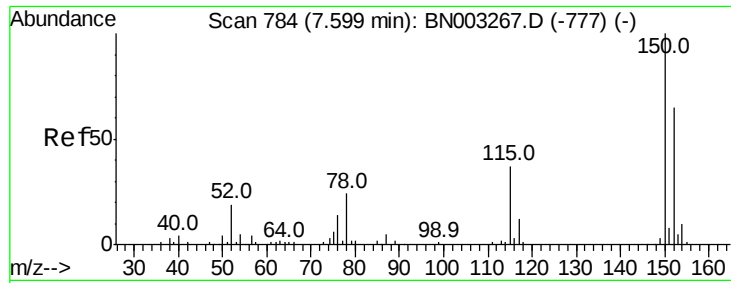
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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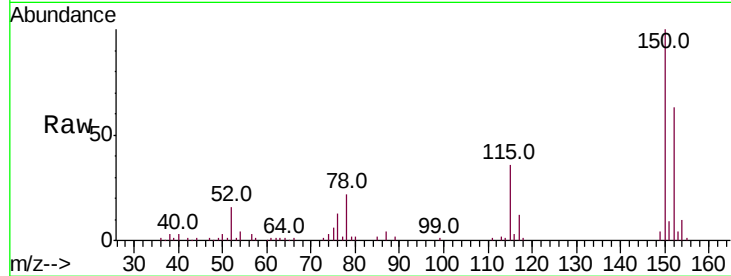


#1

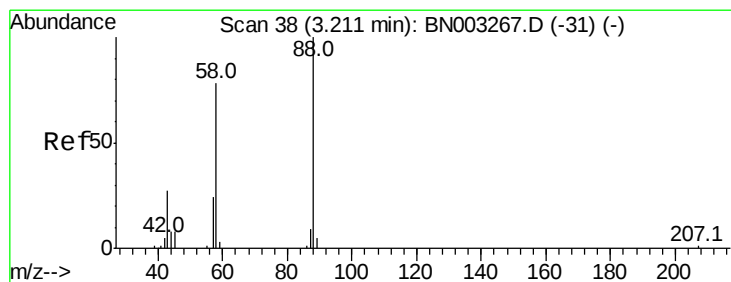
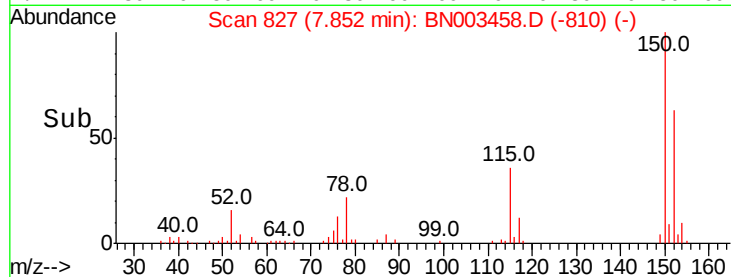
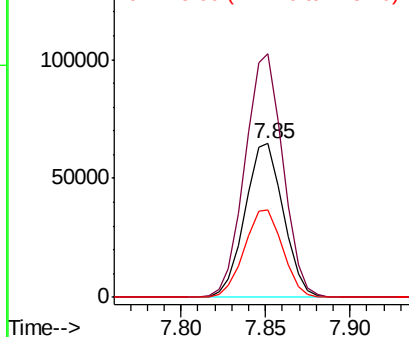
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 827
Delta R.T. 0.00 min
Lab File: BN003458.D
Acq: 07 Nov 2018 18:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	123.8	185.8
115	56.6	45.9	68.9



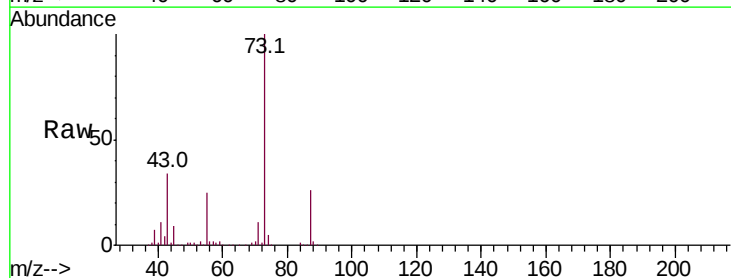
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



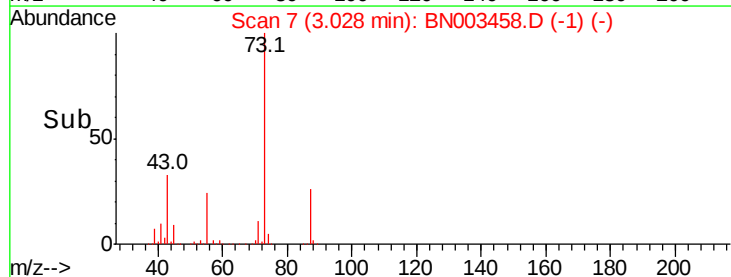
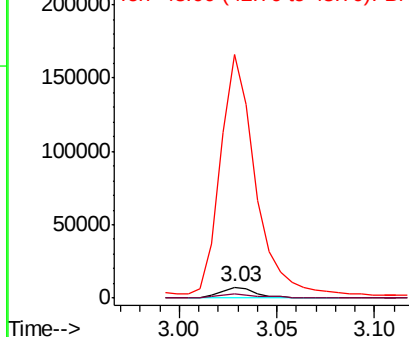
#2

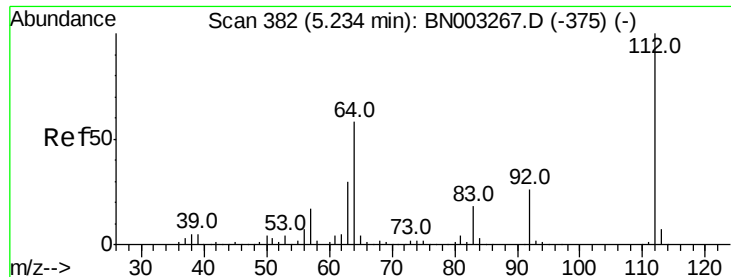
1,4-Dioxane
Concen: 3.464 ng
RT: 3.03 min Scan# 7
Delta R.T. -0.31 min
Lab File: BN003458.D
Acq: 07 Nov 2018 18:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	24.6	61.1	91.7#
43	2138.3	22.2	33.4#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#5

2-Fluorophenol

Concen: 37.616 ng

RT: 5.42 min Scan# 413

Delta R.T. 0.01 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

Instrument :

BNA_N

ClientSampled :

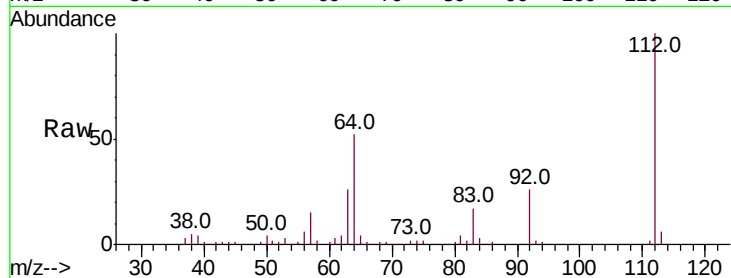
Tot Ion:112 Resp: 220550

Ion Ratio Lower Upper

112 100

64 51.6 46.6 69.8

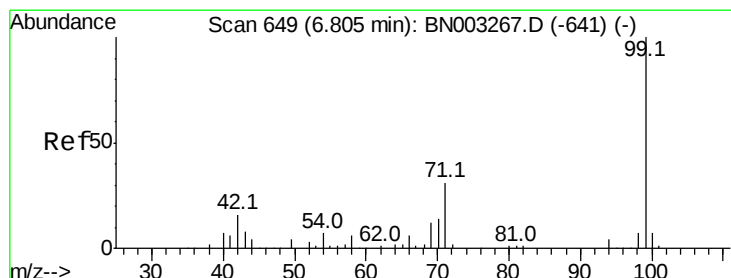
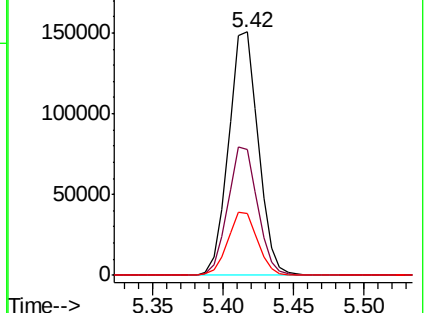
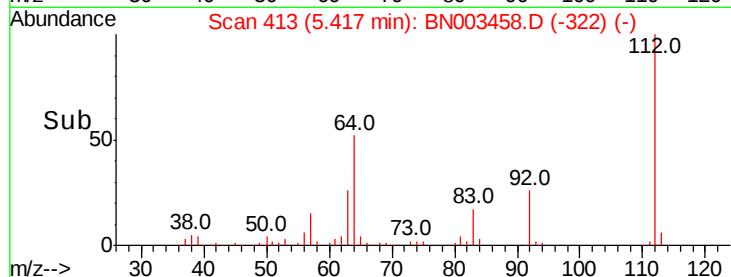
63 25.5 23.8 35.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#7

Phenol-d6

Concen: 20.966 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

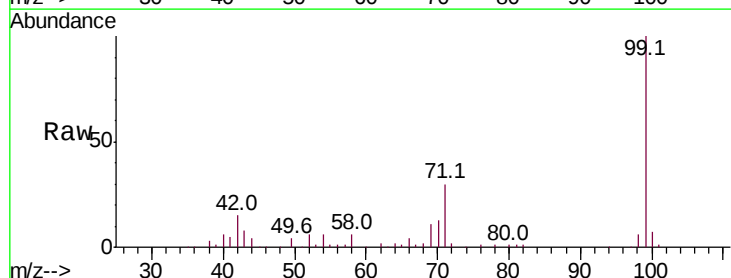
Tgt Ion: 99 Resp: 174796

Ion Ratio Lower Upper

99 100

42 15.0 13.0 19.6

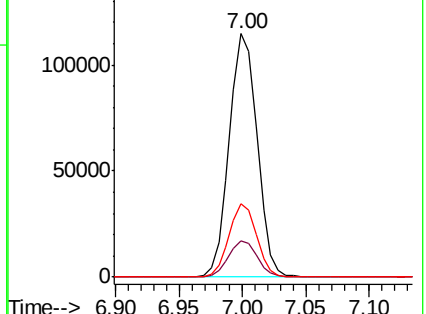
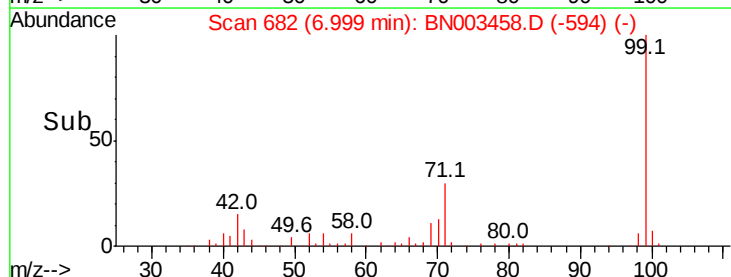
71 30.0 24.5 36.7

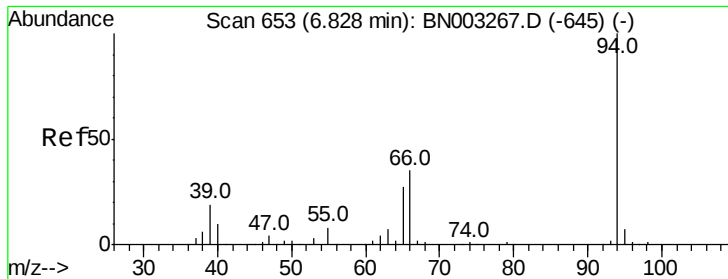


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#10

Phenol

Concen: 5.167 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

Instrument :

BNA_N

ClientSampled :

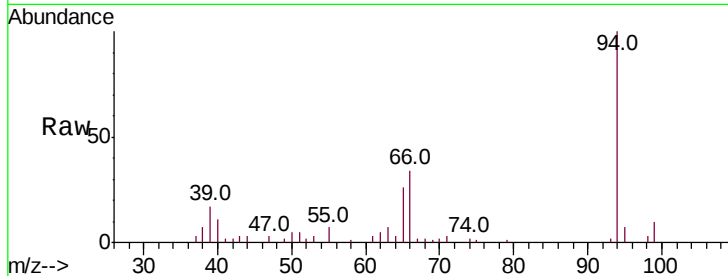
Tot Ion: 94 Resp: 45462

Ion Ratio Lower Upper

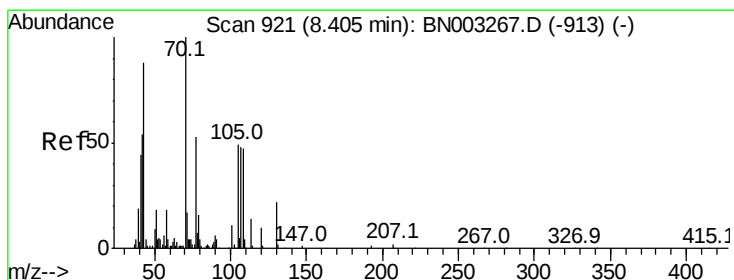
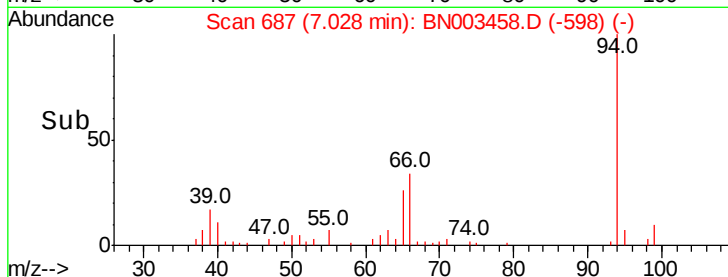
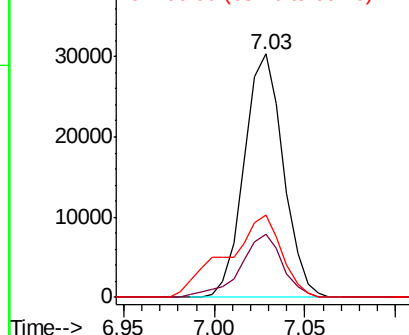
94 100

65 26.1 7.7 47.7

66 33.6 15.8 55.8



Abundance Ion 94.00 (93.70 to 94.70): BNC
Ion 65.00 (64.70 to 65.70): BNC
Ion 66.00 (65.70 to 66.70): BNC



#19

n-Nitroso-di-n-propylamine

Concen: 14.139 ng

RT: 9.02 min Scan# 1025

Delta R.T. 0.36 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

Tgt Ion: 70 Resp: 85001

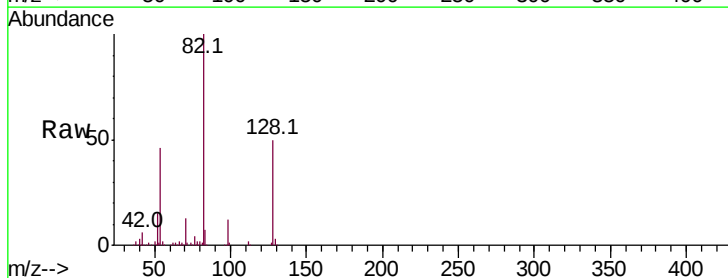
Ion Ratio Lower Upper

70 100

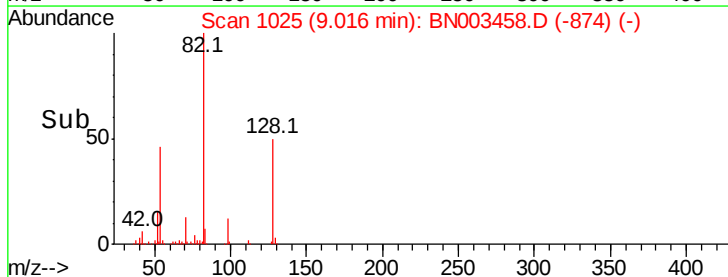
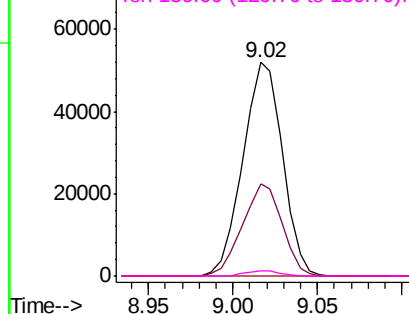
42 43.1 43.5 65.3#

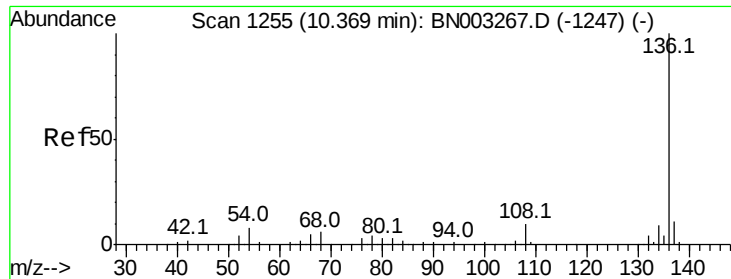
101 0.0 8.6 12.8#

130 2.7 18.0 27.0#



Abundance Ion 70.00 (69.70 to 70.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 101.00 (100.70 to 101.70): BNC
Ion 130.00 (129.70 to 130.70): BNC

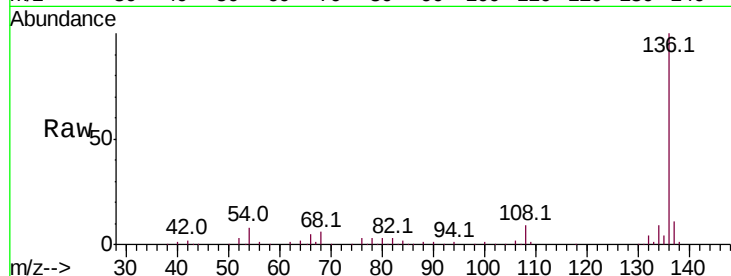




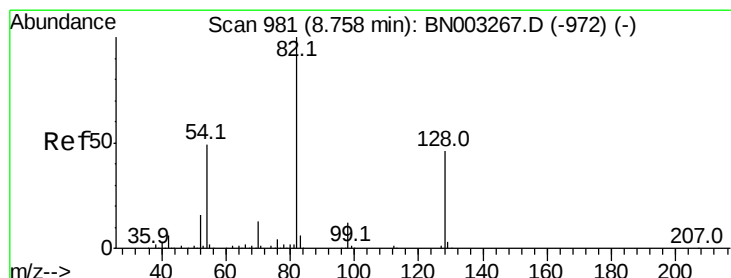
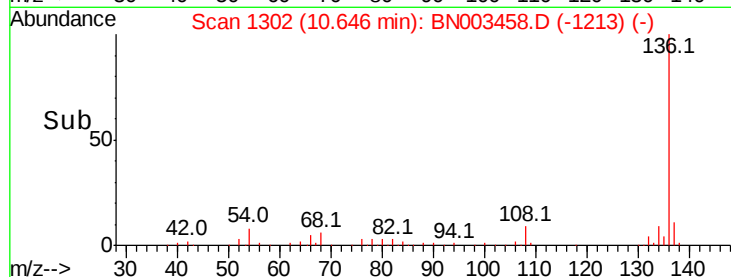
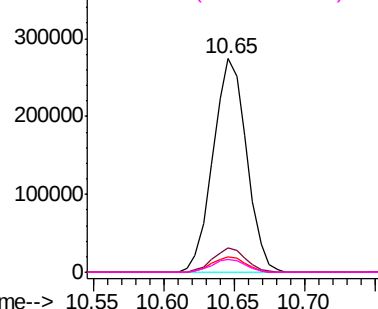
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.65 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN003458.D
Acq: 07 Nov 2018 18:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	456748	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.7	13.1	
54 7.5	6.6	10.0	
68 6.2	4.6	7.0	

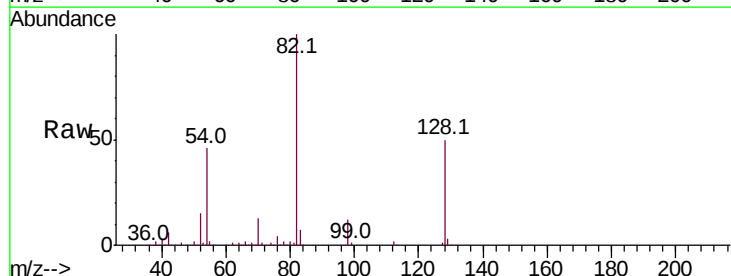


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

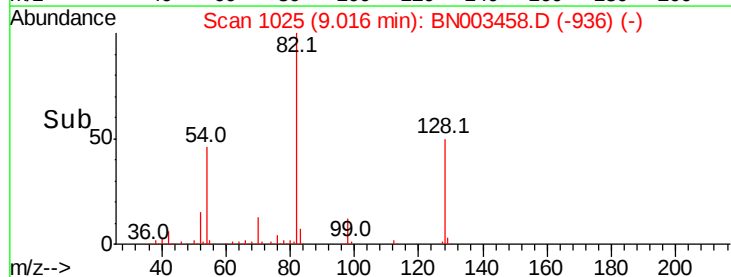
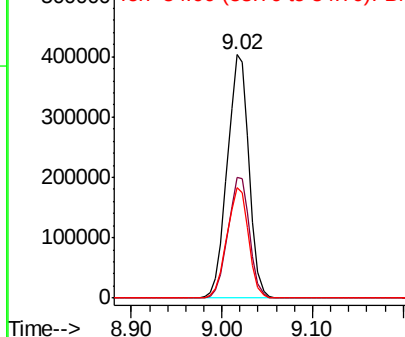


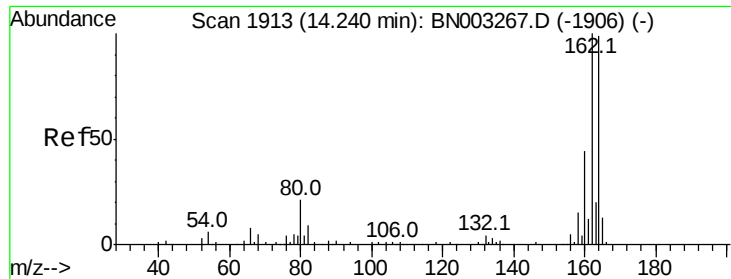
#23
Nitrobenzene-d5
Concen: 83.856 ng
RT: 9.02 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BN003458.D
Acq: 07 Nov 2018 18:55

Tgt	Ion: 82	Resp:	667855
Ion	Ratio	Lower	Upper
82	100		
128	49.7	37.1	55.7
54	45.6	39.4	59.2



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.49 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

Instrument :

BNA_N

ClientSampled :

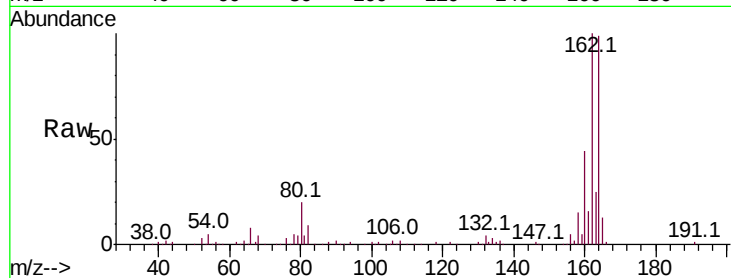
Tot Ion:164 Resp: 281186

Ion Ratio Lower Upper

164 100

162 101.2 80.8 121.2

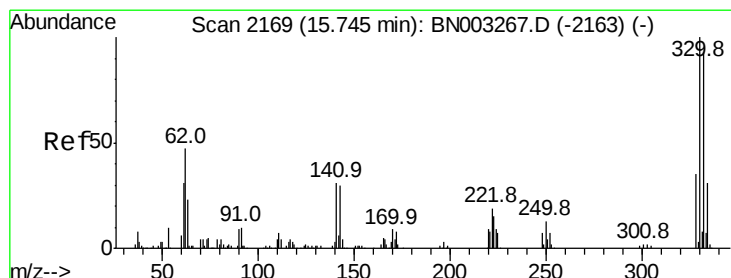
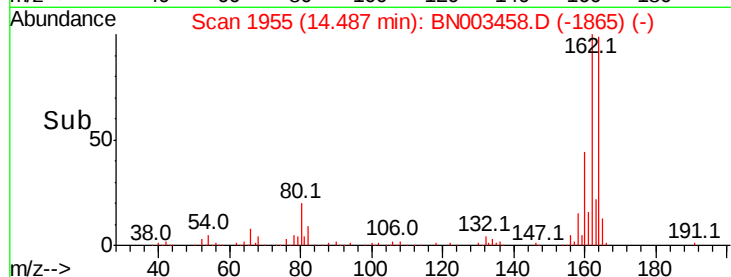
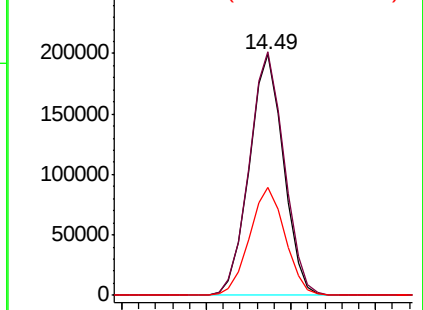
160 44.9 35.5 53.3



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



#42

2,4,6-Tribromophenol

Concen: 96.746 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

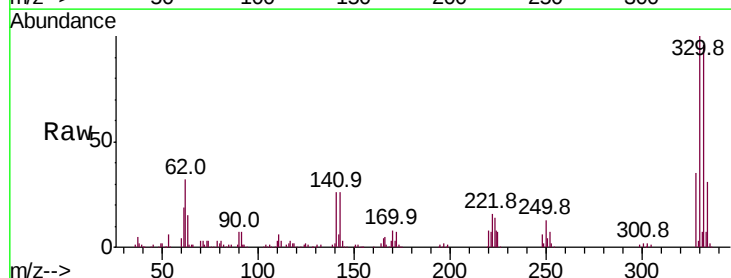
Tgt Ion:330 Resp: 366305

Ion Ratio Lower Upper

330 100

332 96.8 76.6 114.8

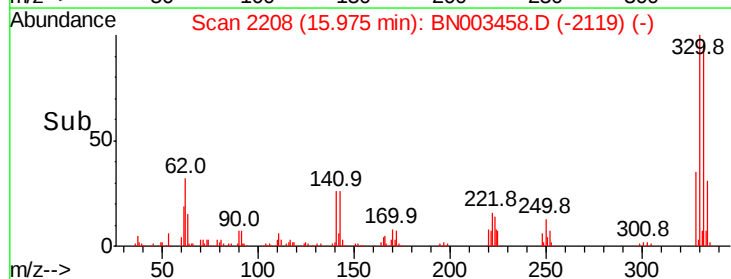
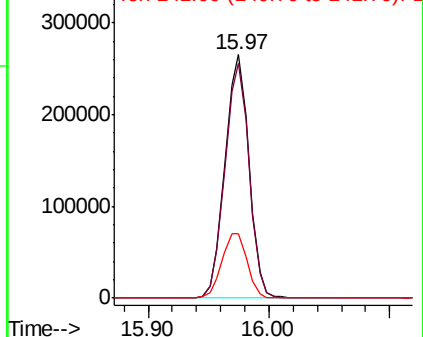
141 27.9 24.5 36.7

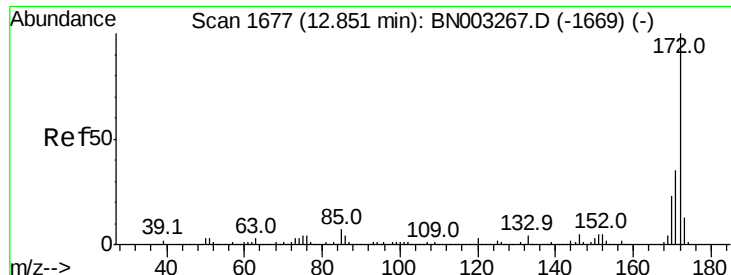


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

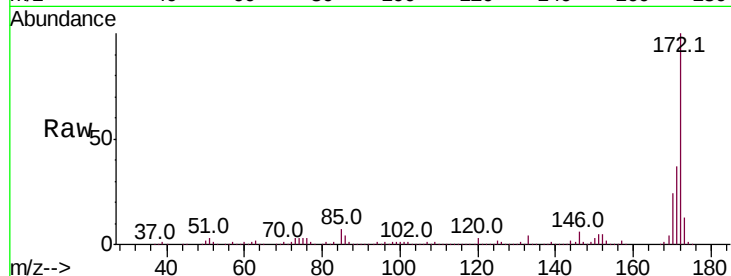




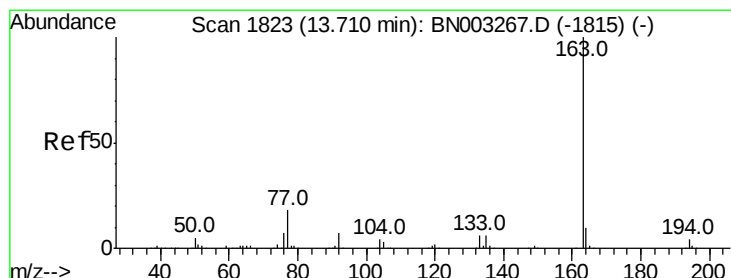
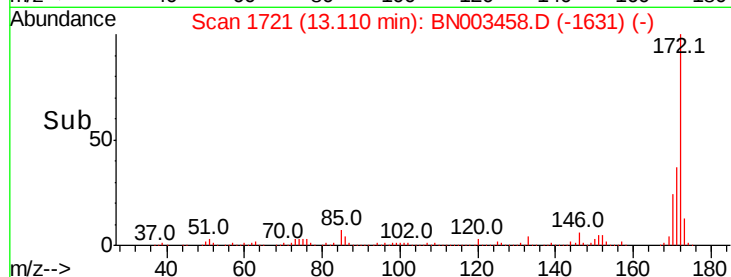
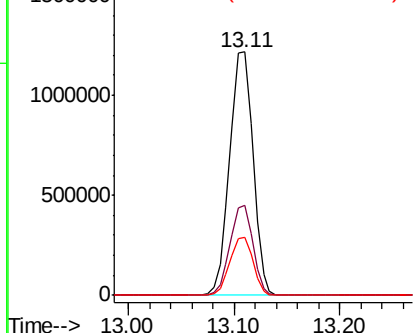
#45
2-Fluorobiphenyl
Concen: 89.984 ng
RT: 13.11 min Scan# 1721
Delta R.T. 0.00 min
Lab File: BN003458.D
Acq: 07 Nov 2018 18:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:172 Resp: 1865360
Ion Ratio Lower Upper
172 100
171 36.7 28.2 42.4
170 23.7 18.4 27.6

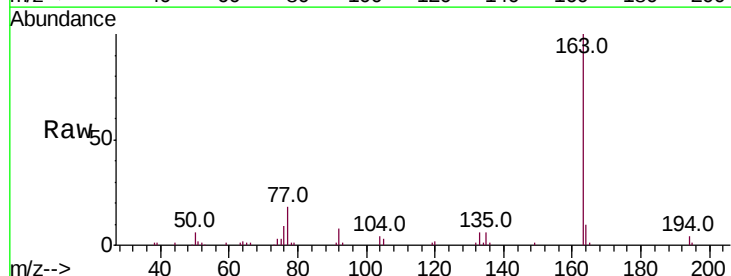


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

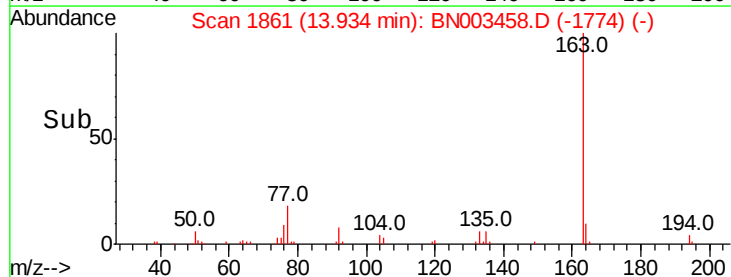
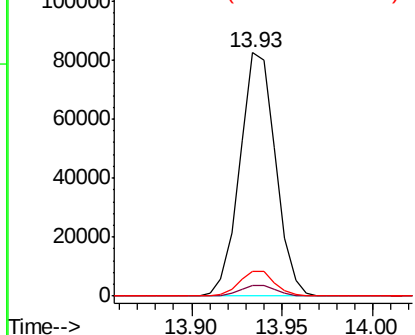


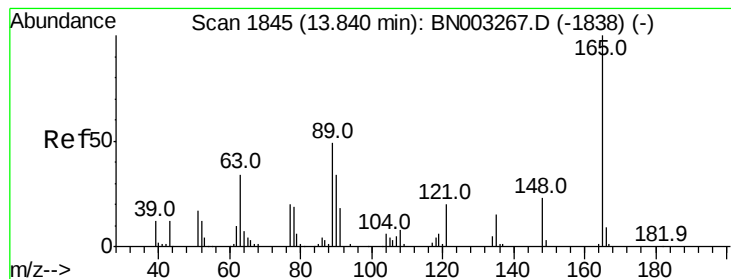
#50
Dimethylphthalate
Concen: 4.974 ng
RT: 13.93 min Scan# 1861
Delta R.T. -0.02 min
Lab File: BN003458.D
Acq: 07 Nov 2018 18:55

Tgt Ion:163 Resp: 113077
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.1 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 6.995 ng

RT: 14.49 min Scan# 1955

Delta R.T. 0.41 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

Instrument :

BNA_N

ClientSampleId :

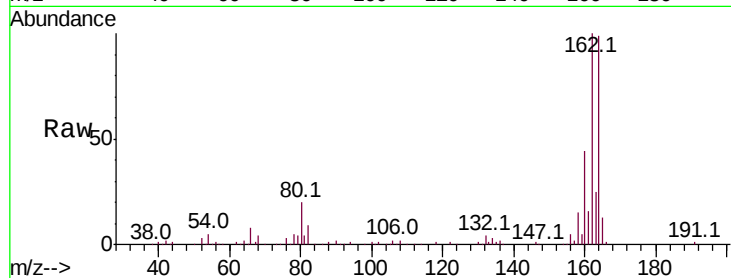
Tot Ion:165 Resp: 36096

Ion Ratio Lower Upper

165 100

63 1.3 39.2 58.8#

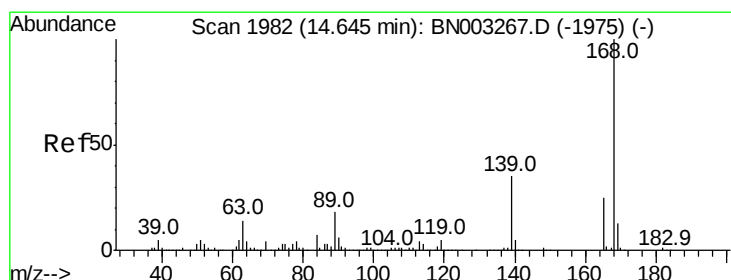
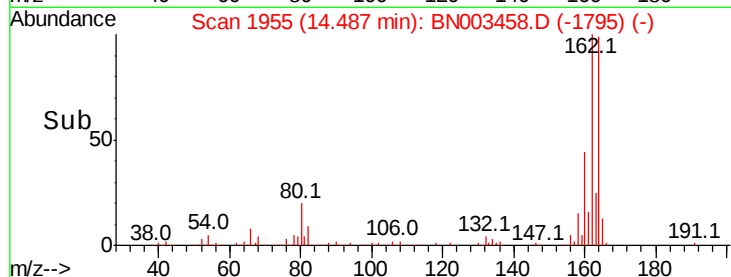
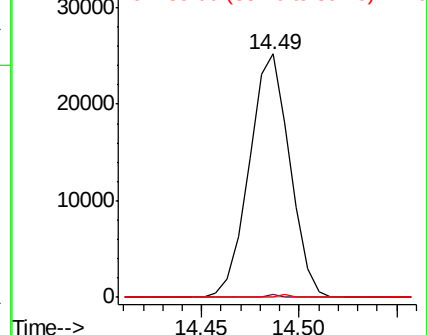
89 0.0 38.9 58.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC



#57

2,4-Dinitrotoluene

Concen: 5.159 ng

RT: 14.49 min Scan# 1955

Delta R.T. -0.37 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

Tgt Ion:165 Resp: 36096

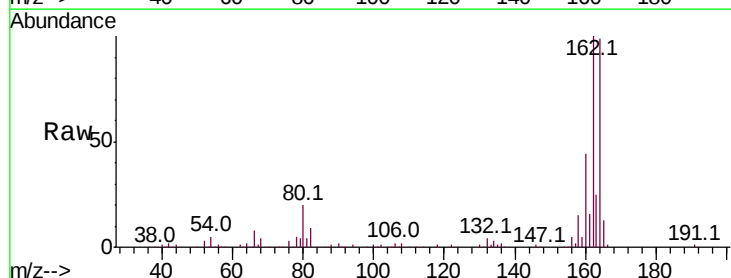
Ion Ratio Lower Upper

165 100

63 1.3 45.8 68.6#

89 0.0 58.7 88.1#

182 0.0 2.3 3.5#

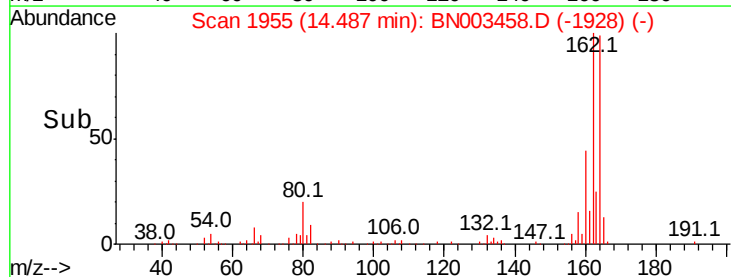
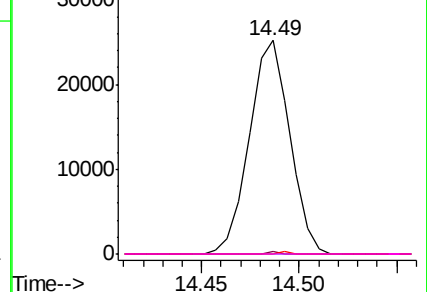


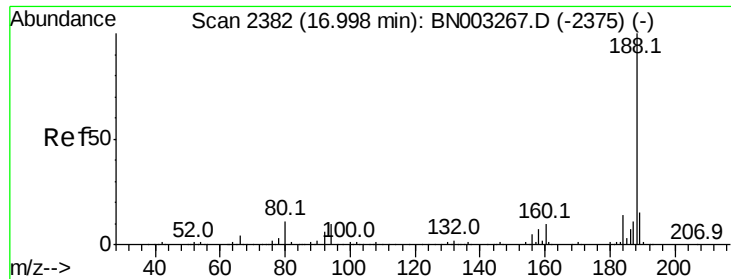
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.23 min Scan# 2421

Delta R.T. -0.01 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

Instrument :

BNA_N

ClientSampleId :

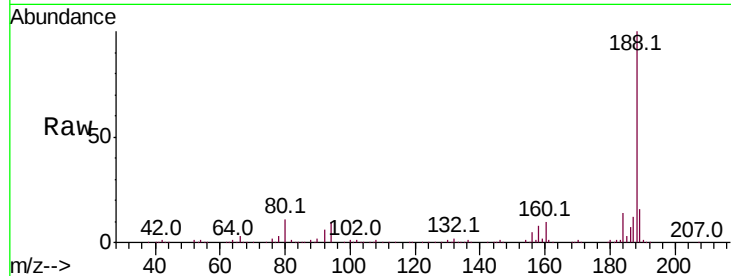
Tot Ion:188 Resp: 629520

Ion Ratio Lower Upper

188 100

94 9.9 8.1 12.1

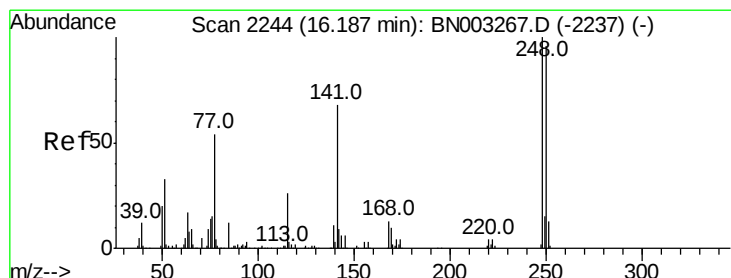
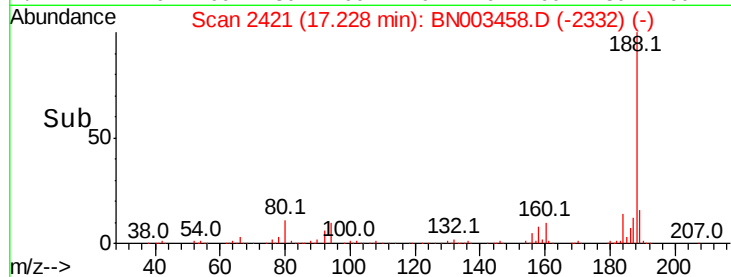
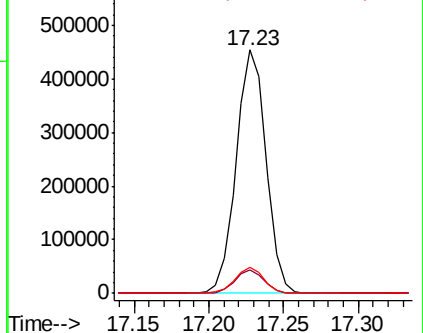
80 10.6 8.6 13.0



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



#67

4-Bromophenyl-phenylether

Concen: 3.348 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

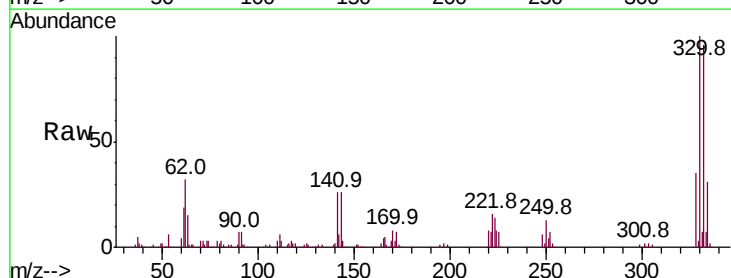
Tgt Ion:248 Resp: 23735

Ion Ratio Lower Upper

248 100

250 203.9 76.4 114.6#

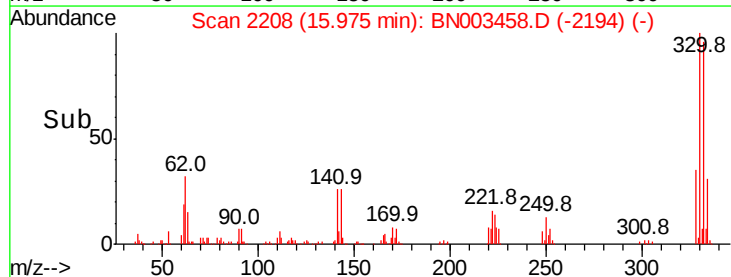
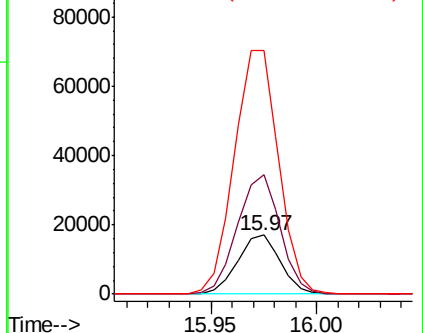
141 414.4 54.2 81.4#

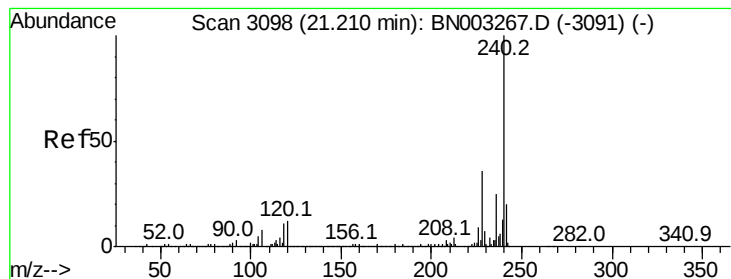


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.40 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

Instrument :

BNA_N

ClientSampled :

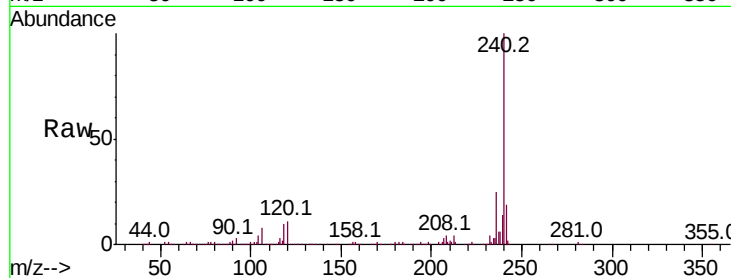
Tot Ion:240 Resp: 521035

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.0

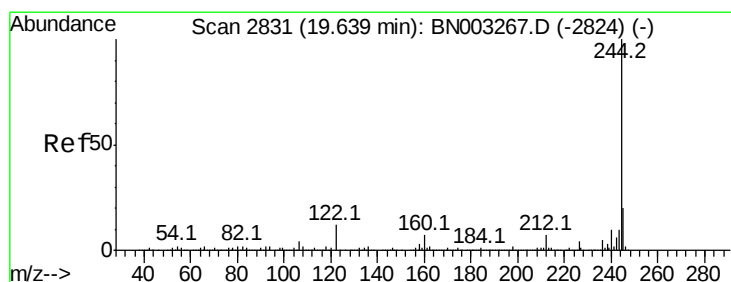
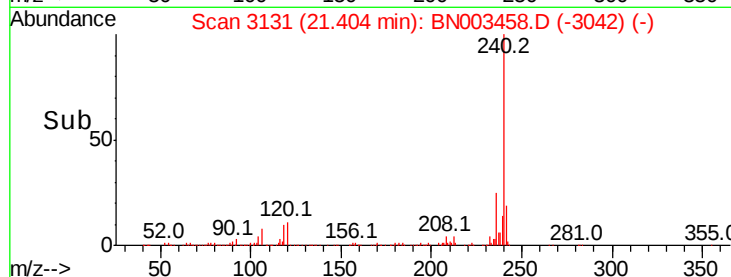
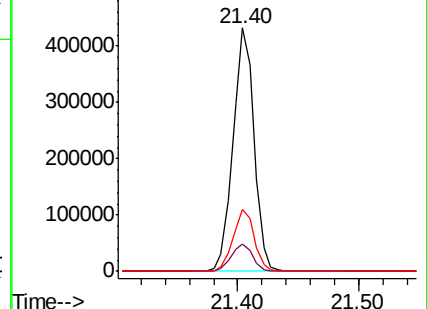
236 25.5 20.3 30.5



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



#79

Terphenyl-d14

Concen: 99.482 ng

RT: 19.85 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BN003458.D

Acq: 07 Nov 2018 18:55

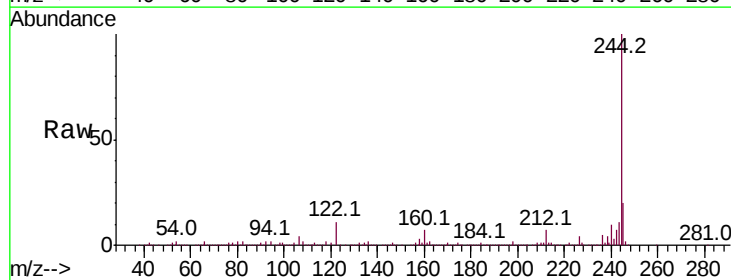
Tgt Ion:244 Resp: 2423778

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

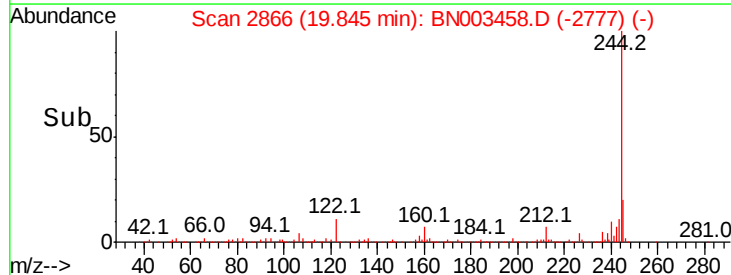
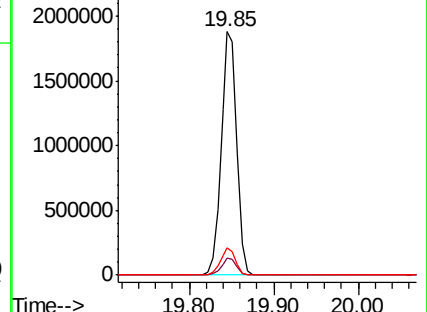
122 11.4 9.4 14.2

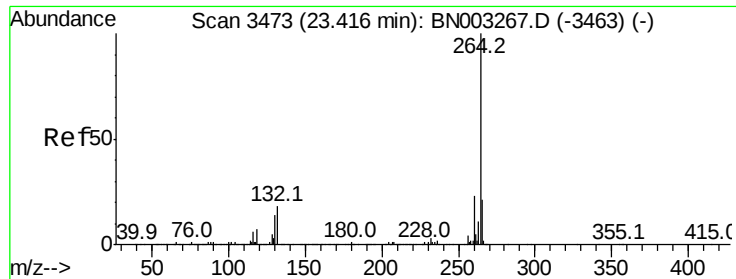


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

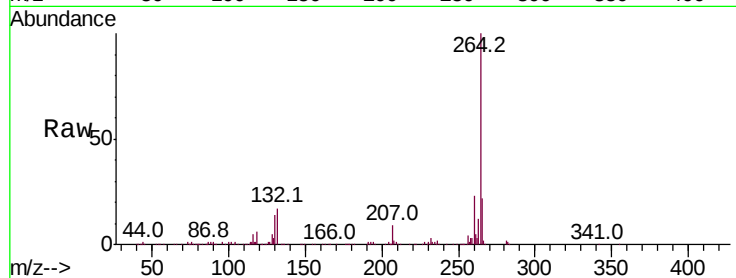




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.72 min Scan# 3525
Delta R.T. -0.01 min
Lab File: BN003458.D
Acq: 07 Nov 2018 18:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	21.9	16.6	25.0



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

