

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072618\
 Data File : BN002176.D
 Acq On : 26 Jul 2018 17:18
 Operator : JU/SJ
 Sample : PB111425BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 27 01:21:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 26 18:27:25 2018
 Response via : Initial Calibration

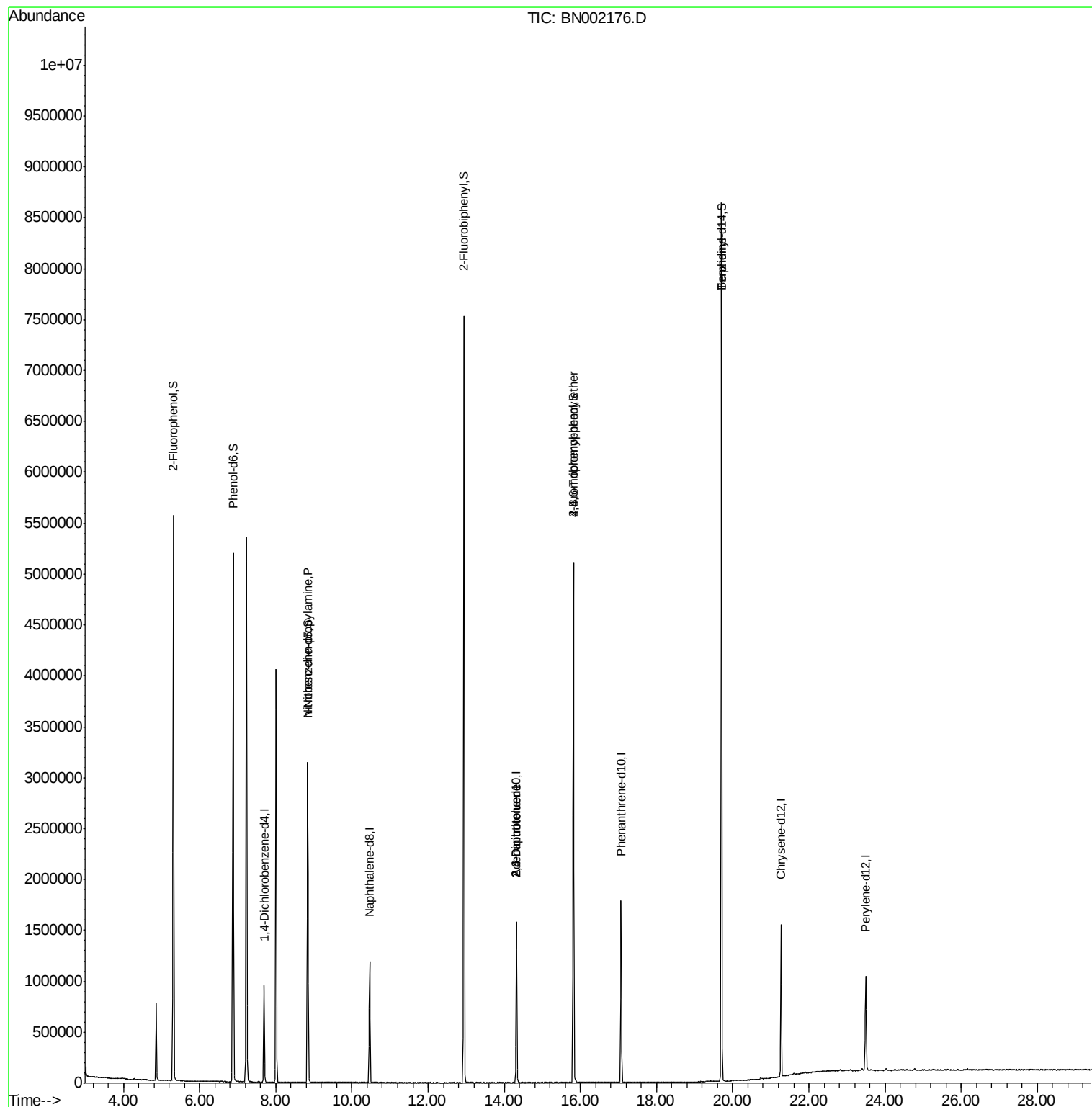
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	243940	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	964039	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	515212	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	1029592	20.00	ng	0.00
75) Chrysene-d12	21.27	240	708810	20.00	ng	0.00
86) Perylene-d12	23.49	264	630890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	2171027	143.28	ng	0.00
7) Phenol-d6	6.88	99	2901025	136.43	ng	0.00
23) Nitrobenzene-d5	8.84	82	1797275	95.61	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	882549	131.92	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	3878324	98.05	ng	0.00
78) Terphenyl-d14	19.71	244	3961743	116.57	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.85	70	243208	15.769	ng	# 78
50) 2,6-Dinitrotoluene	14.32	165	66708	7.016	ng	# 21
56) 2,4-Dinitrotoluene	14.32	165	66708	5.170	ng	# 19
66) 4-Bromophenyl-phenylether	15.82	248	61272	5.084	ng	# 1
76) Benzidine	19.71	184	57689	2.495	ng	# 94

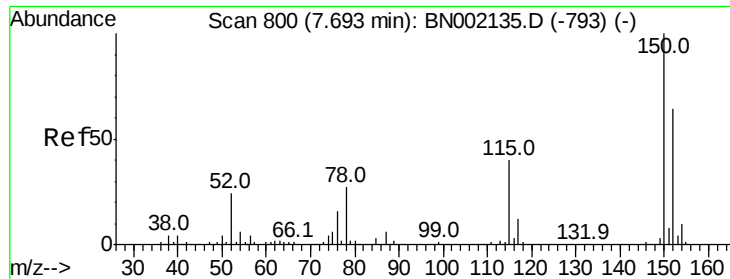
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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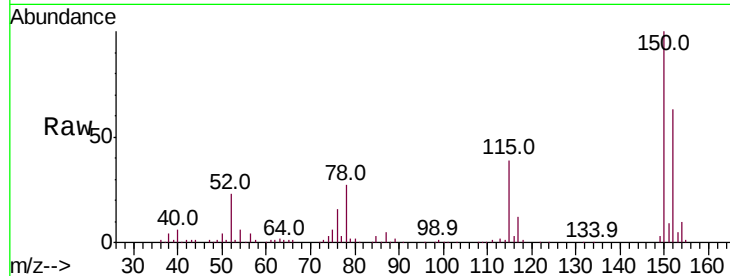


#1

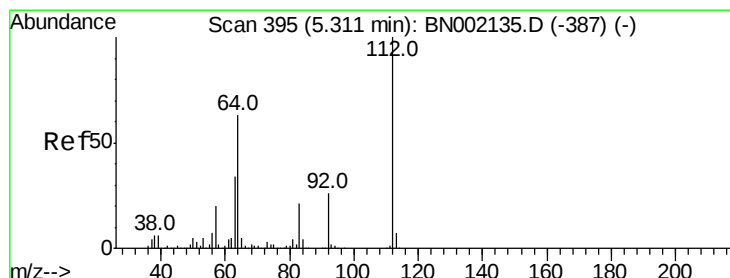
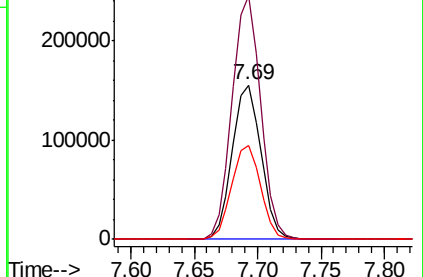
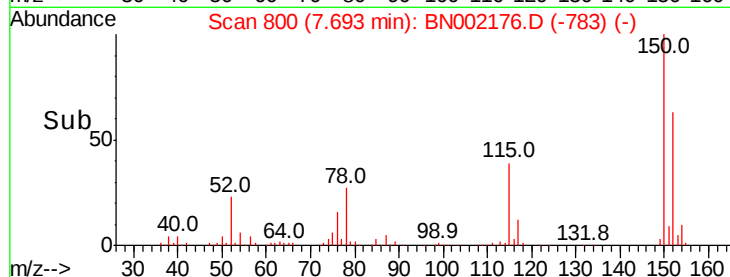
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002176.D
Acq: 26 Jul 2018 17:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 243940
Ion Ratio Lower Upper
152 100
150 157.7 126.6 189.8
115 60.9 53.0 79.4



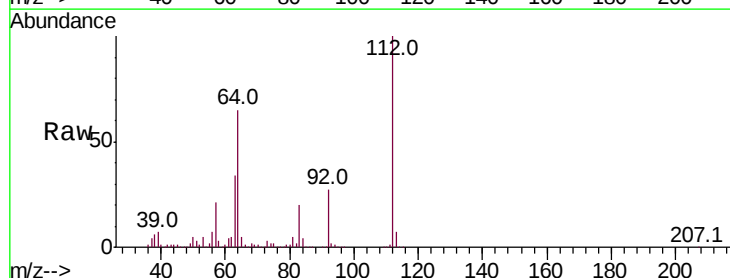
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



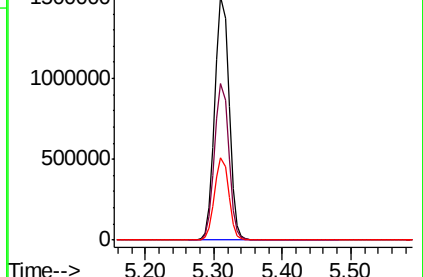
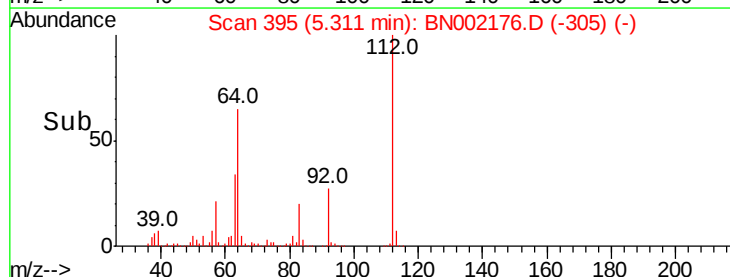
#5

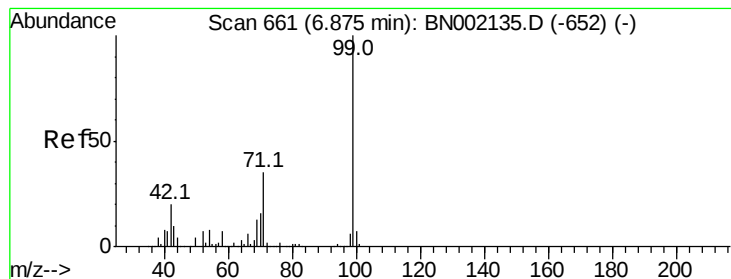
2-Fluorophenol
Concen: 143.281 ng
RT: 5.31 min Scan# 395
Delta R.T. 0.00 min
Lab File: BN002176.D
Acq: 26 Jul 2018 17:18

Tgt Ion:112 Resp: 2171027
Ion Ratio Lower Upper
112 100
64 64.6 56.3 84.5
63 33.9 30.1 45.1



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





#7

Phenol-d6

Concen: 136.433 ng

RT: 6.88 min Scan# 662

Delta R.T. 0.01 min

Lab File: BN002176.D

Acq: 26 Jul 2018 17:18

Instrument :

BNA_N

ClientSampleId :

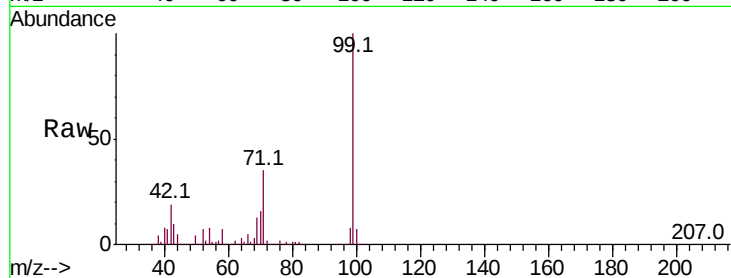
Tot Ion: 99 Resp: 2901025

Ion Ratio Lower Upper

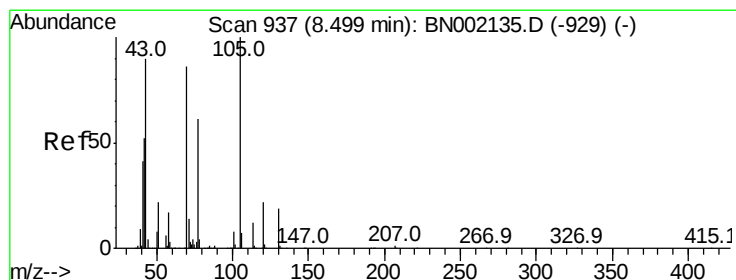
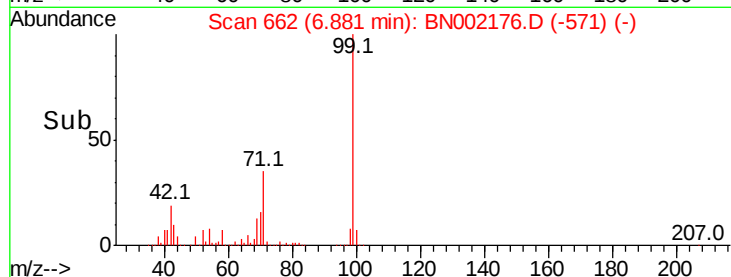
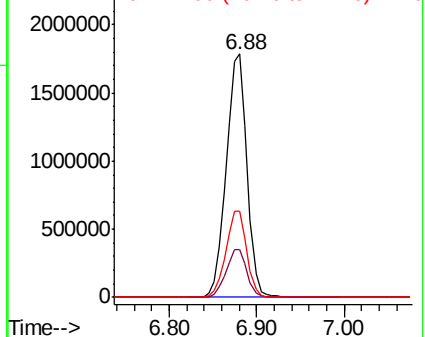
99 100

42 19.5 14.1 21.1

71 35.3 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.769 ng

RT: 8.85 min Scan# 996

Delta R.T. 0.35 min

Lab File: BN002176.D

Acq: 26 Jul 2018 17:18

Tgt Ion: 70 Resp: 243208

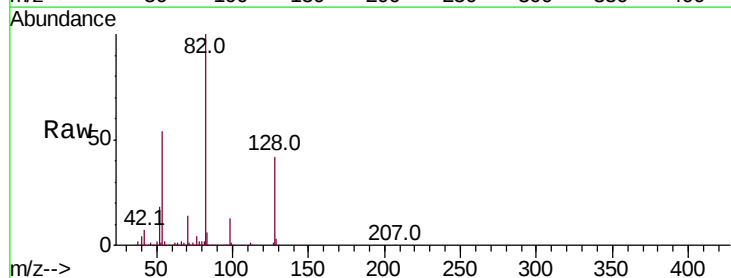
Ion Ratio Lower Upper

70 100

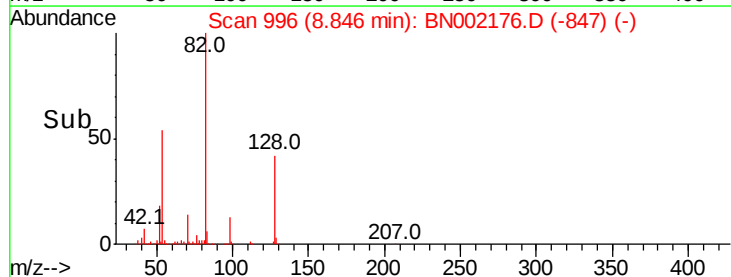
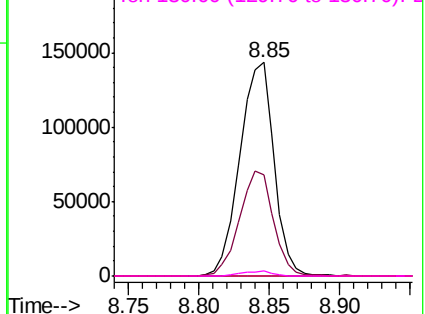
42 47.5 49.1 73.7#

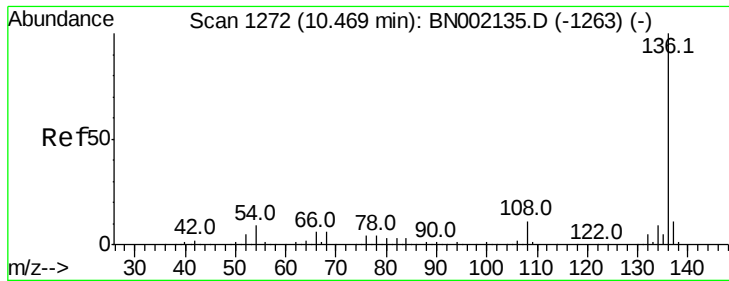
101 0.0 8.5 12.7#

130 2.1 13.4 20.0#



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

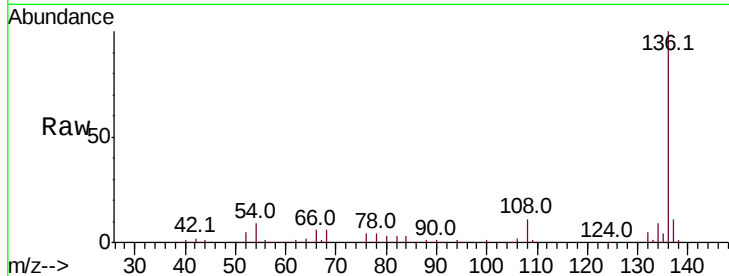




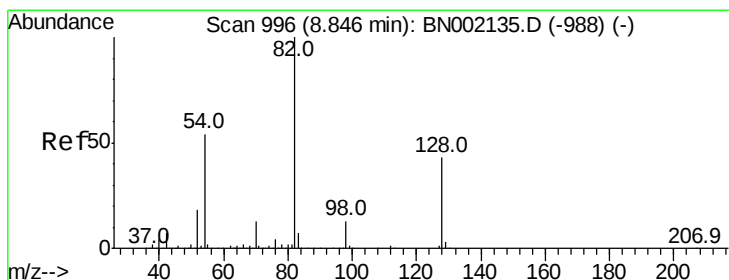
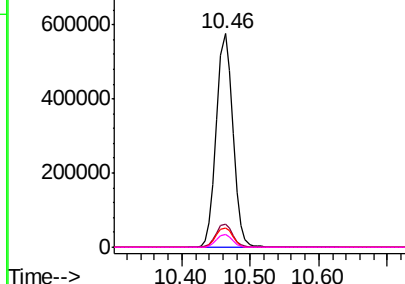
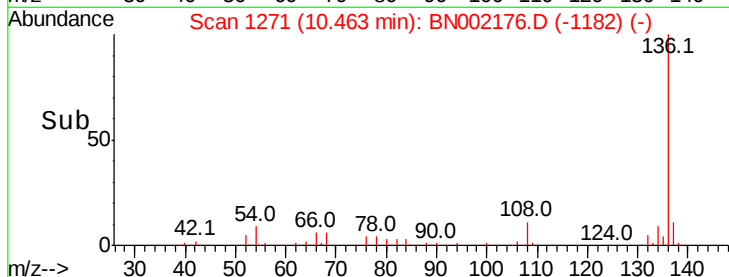
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN002176.D
Acq: 26 Jul 2018 17:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	964039	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	9.2	13.8	
54 9.2	10.3	15.5#	
68 6.1	4.5	6.7	

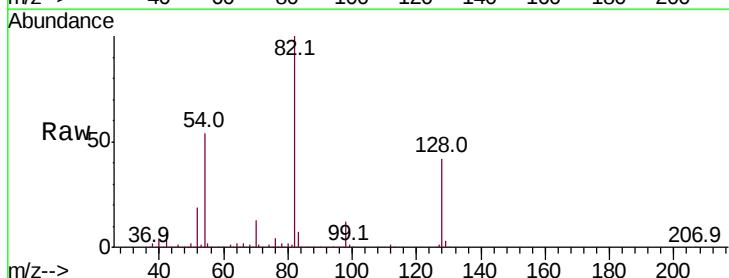


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

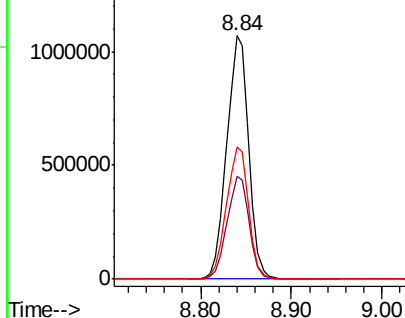
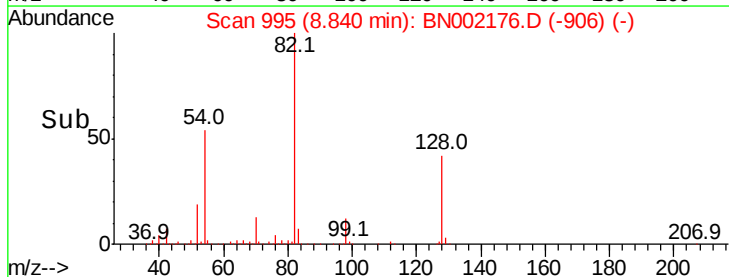


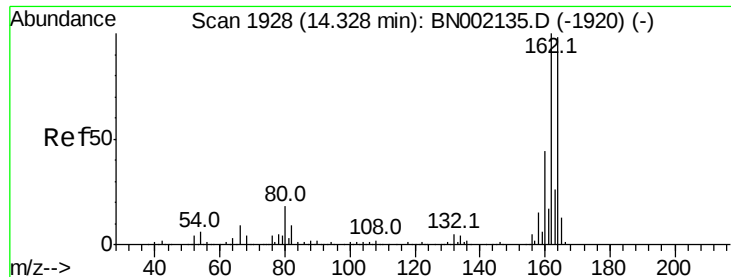
#23
Nitrobenzene-d5
Concen: 95.608 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN002176.D
Acq: 26 Jul 2018 17:18

Tgt Ion: 82	Resp: 1797275
Ion Ratio	Lower Upper
82 100	
128 42.4	29.7 44.5
54 54.1	43.1 64.7



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

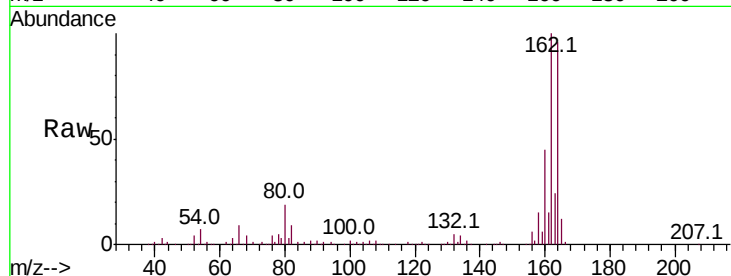




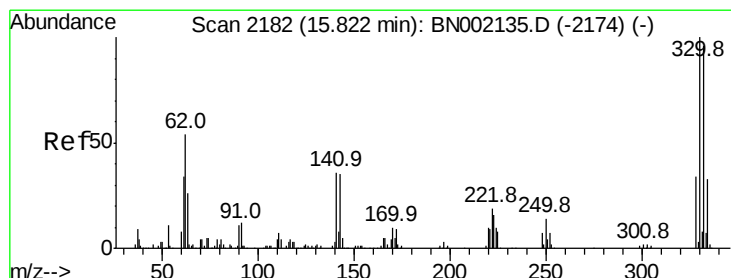
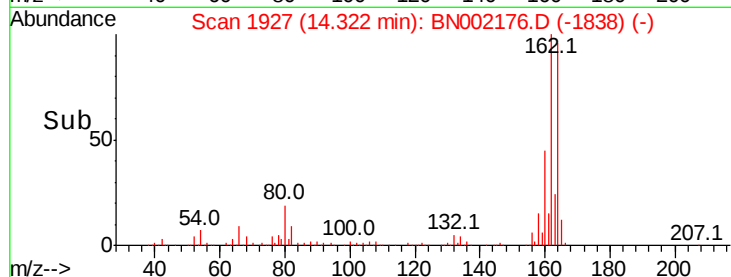
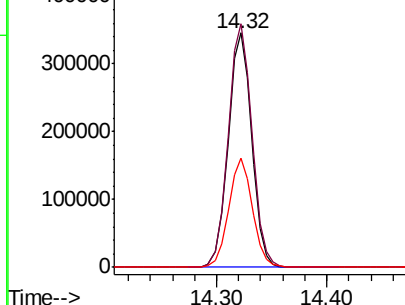
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. -0.01 min
 Lab File: BN002176.D
 Acq: 26 Jul 2018 17:18

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:164 Resp: 515212
 Ion Ratio Lower Upper
 164 100
 162 103.8 78.8 118.2
 160 46.6 35.4 53.0

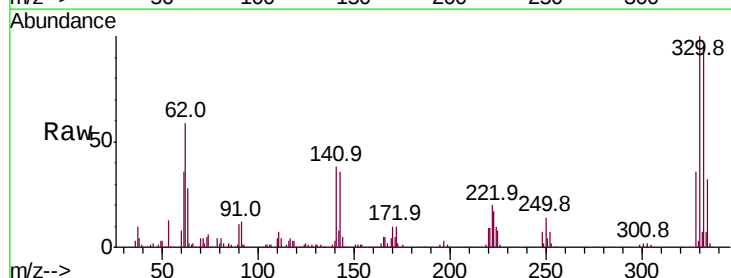


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

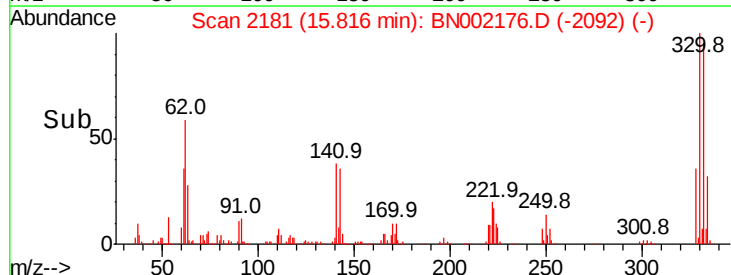
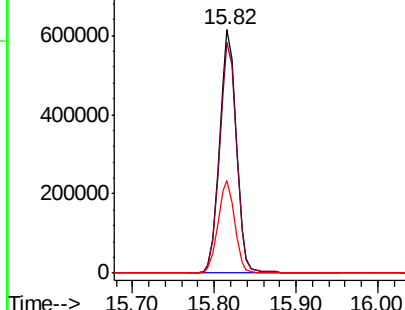


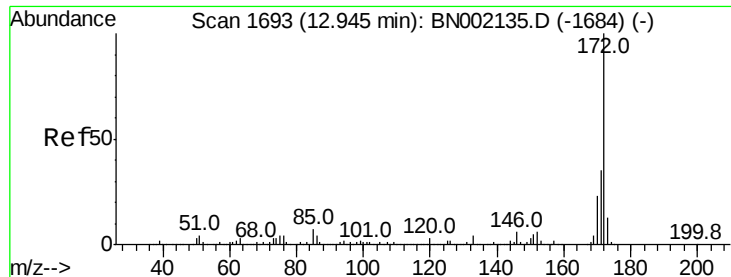
#41
 2,4,6-Tribromophenol
 Concen: 131.916 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN002176.D
 Acq: 26 Jul 2018 17:18

Tgt Ion:330 Resp: 882549
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 37.8 25.2 37.8#



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

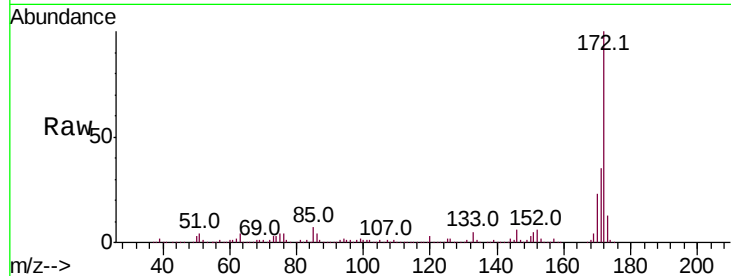




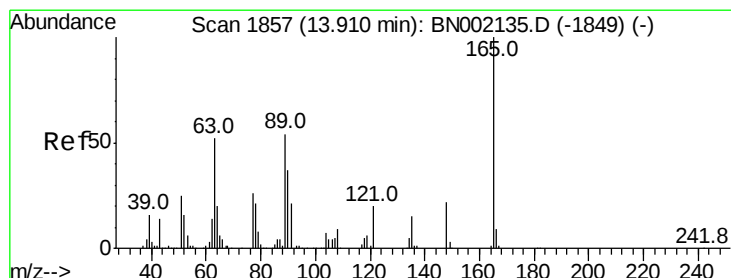
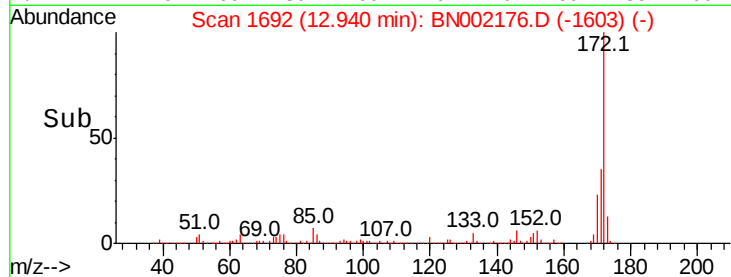
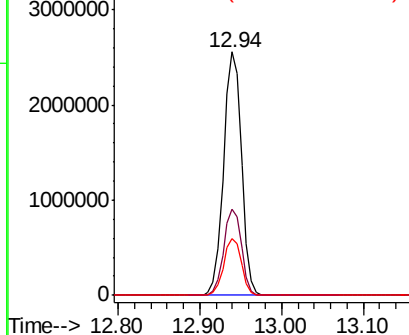
#44
 2-Fluorobiphenyl
 Concen: 98.048 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BN002176.D
 Acq: 26 Jul 2018 17:18

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:172 Resp: 3878324
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.0 45.0
 170 23.4 19.5 29.3

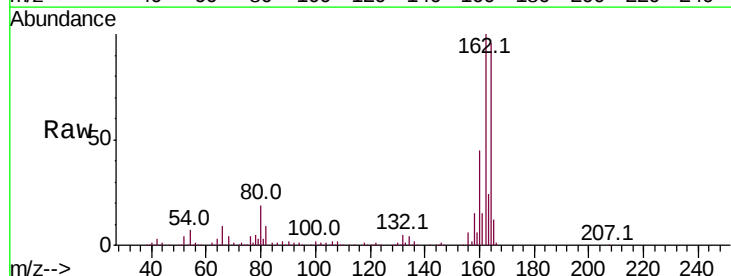


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

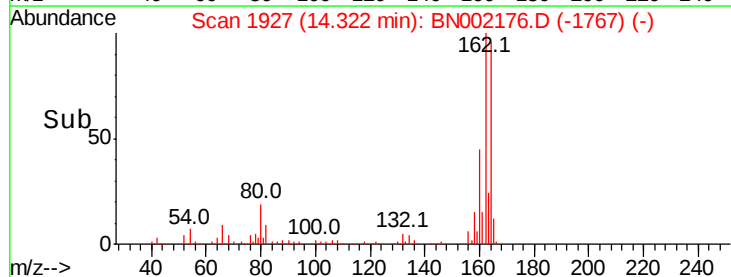
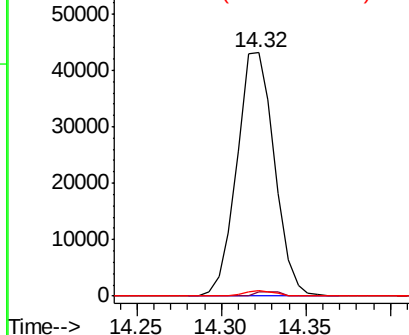


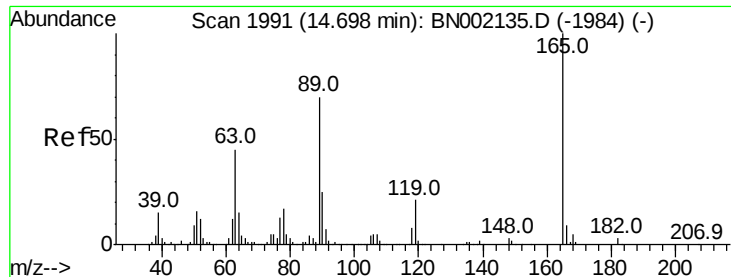
#50
 2,6-Dinitrotoluene
 Concen: 7.016 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. 0.41 min
 Lab File: BN002176.D
 Acq: 26 Jul 2018 17:18

Tgt Ion:165 Resp: 66708
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.7 79.1#
 89 2.5 49.2 73.8#



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

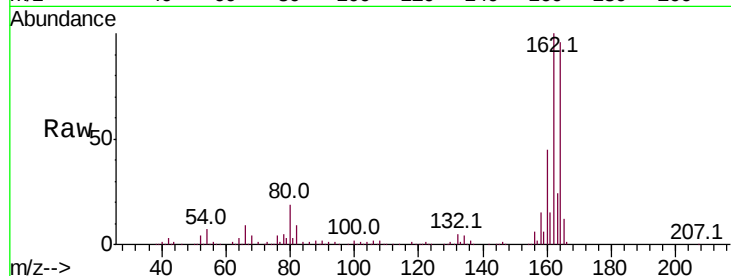




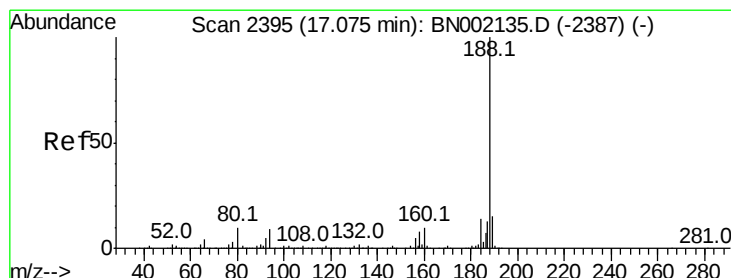
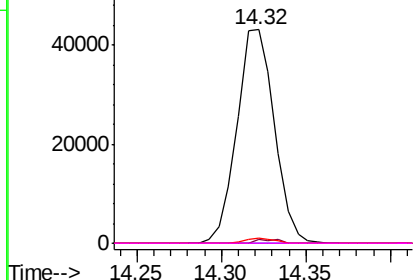
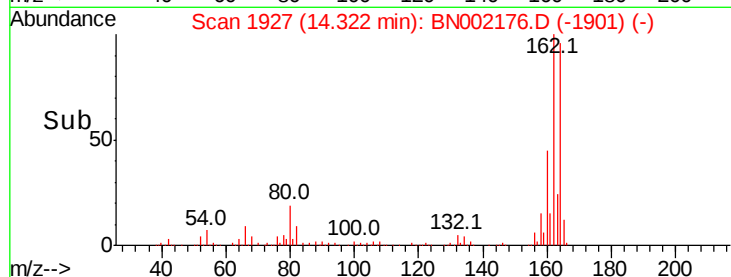
#56
2,4-Dinitrotoluene
Concen: 5.170 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.38 min
Lab File: BN002176.D
Acq: 26 Jul 2018 17:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion:165 Resp: 66708
Ion Ratio Lower Upper
165 100
63 1.9 42.0 63.0#
89 2.5 66.9 100.3#
182 0.0 2.6 3.8#

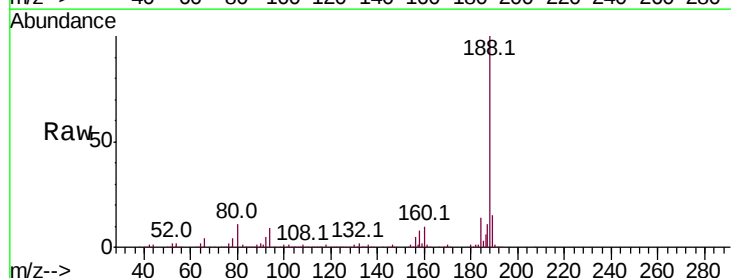


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 89.00 (88.70 to 89.70): BNC
Ion 182.00 (181.70 to 182.70): E

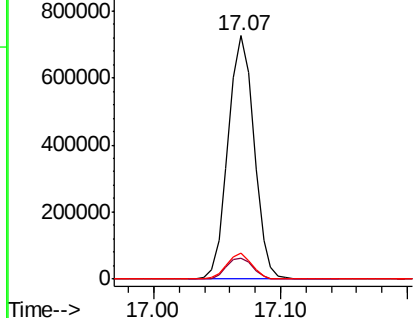
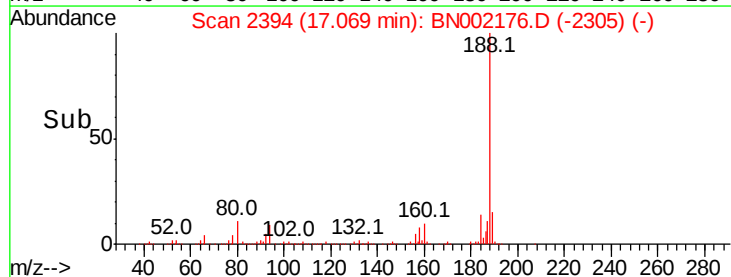


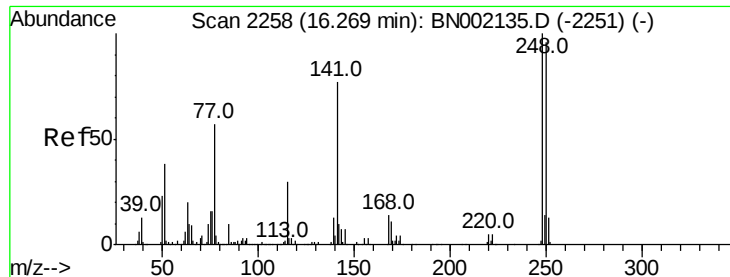
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BN002176.D
Acq: 26 Jul 2018 17:18

Tgt Ion:188 Resp: 1029592
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 10.7 7.7 11.5



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

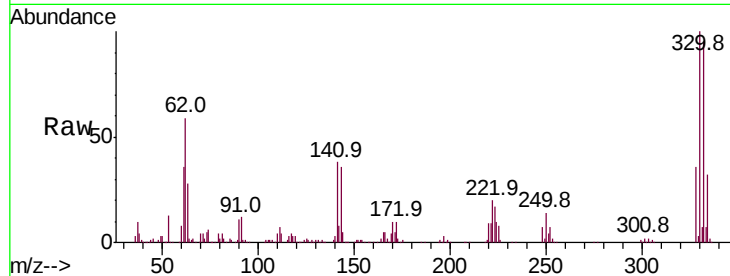




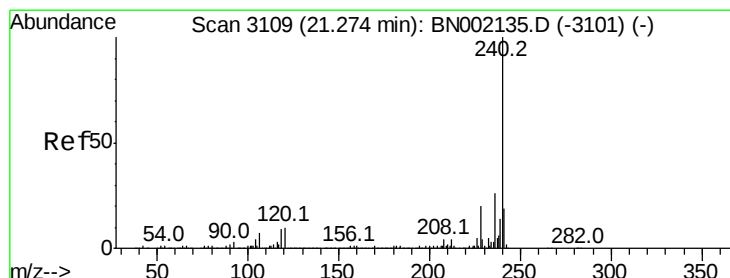
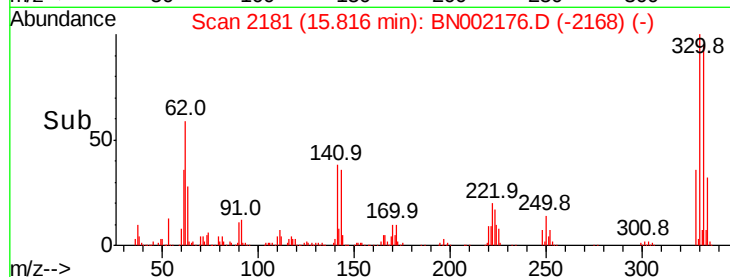
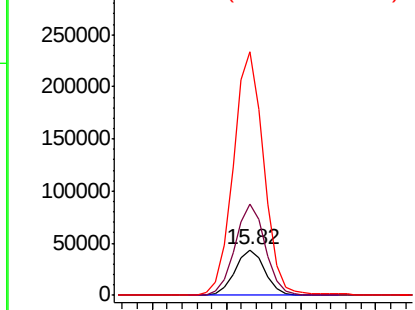
#66
4-Bromophenyl-phenylether
Concen: 5.084 ng
RT: 15.82 min Scan# 2181
Delta R.T. -0.45 min
Lab File: BN002176.D
Acq: 26 Jul 2018 17:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion:248 Resp: 61272
Ion Ratio Lower Upper
248 100
250 199.3 77.1 115.7#
141 534.7 50.8 76.2#

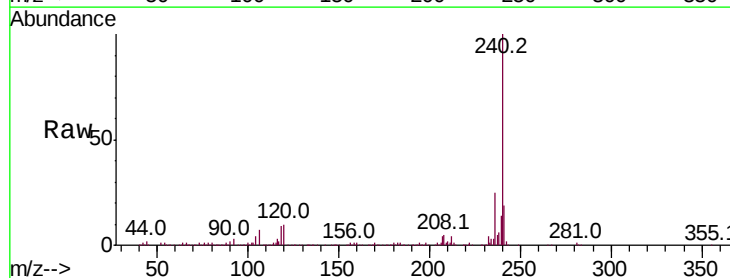


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

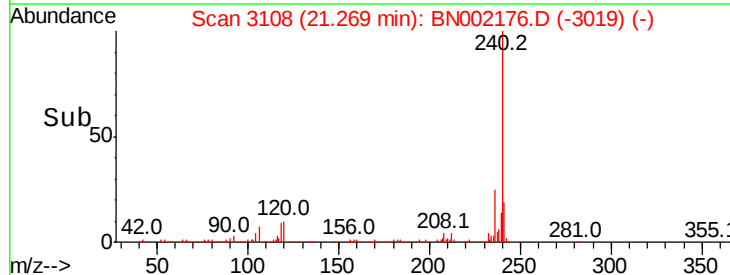
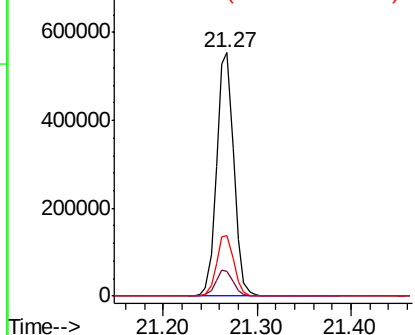


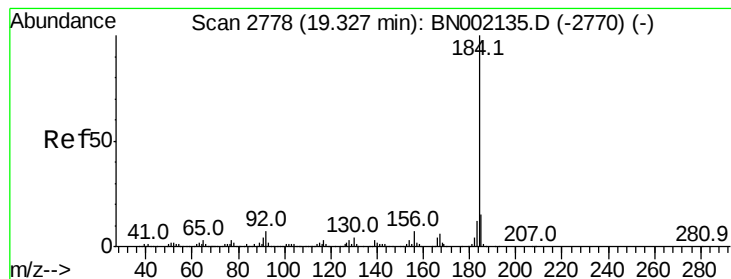
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BN002176.D
Acq: 26 Jul 2018 17:18

Tgt Ion:240 Resp: 708810
Ion Ratio Lower Upper
240 100
120 10.1 6.8 10.2
236 25.0 20.9 31.3



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





#76

Benzidine

Concen: 2.495 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.38 min

Lab File: BN002176.D

Acq: 26 Jul 2018 17:18

Instrument :

BNA_N

ClientSampleId :

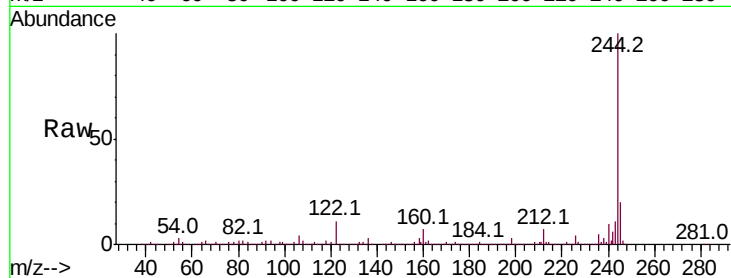
Tot Ion:184 Resp: 57689

Ion Ratio Lower Upper

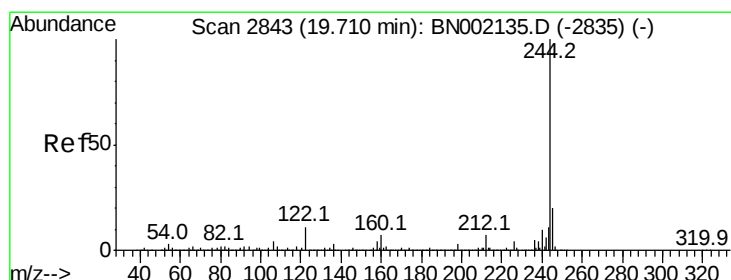
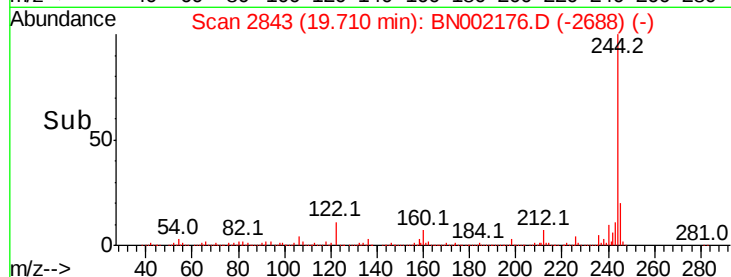
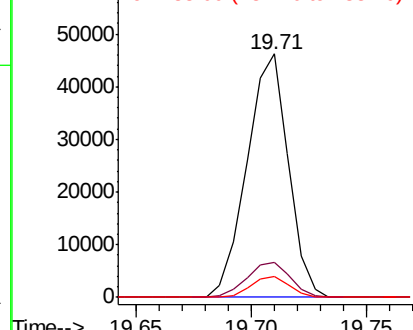
184 100

185 14.2 11.1 16.7

183 8.3 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 116.573 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BN002176.D

Acq: 26 Jul 2018 17:18

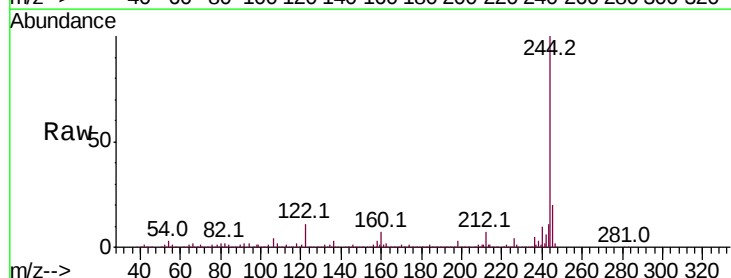
Tgt Ion:244 Resp: 3961743

Ion Ratio Lower Upper

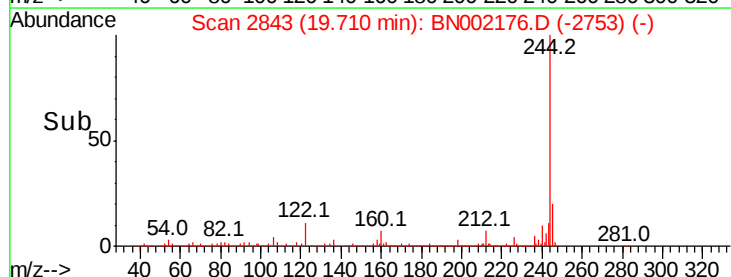
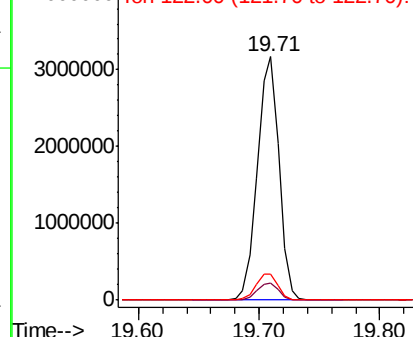
244 100

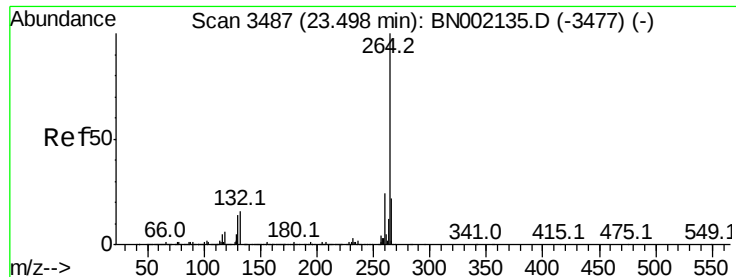
212 7.0 5.8 8.8

122 10.7 7.0 10.4#



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





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.49 min Scan# 3486
Delta R.T. -0.01 min
Lab File: BN002176.D
Acq: 26 Jul 2018 17:18

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	20.5	17.7	26.5

