

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040319\
 Data File : BN005087.D
 Acq On : 04 Apr 2019 10:27
 Operator : JU/SJ
 Sample : K2224-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 04 15:03:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 14:56:07 2019
 Response via : Initial Calibration

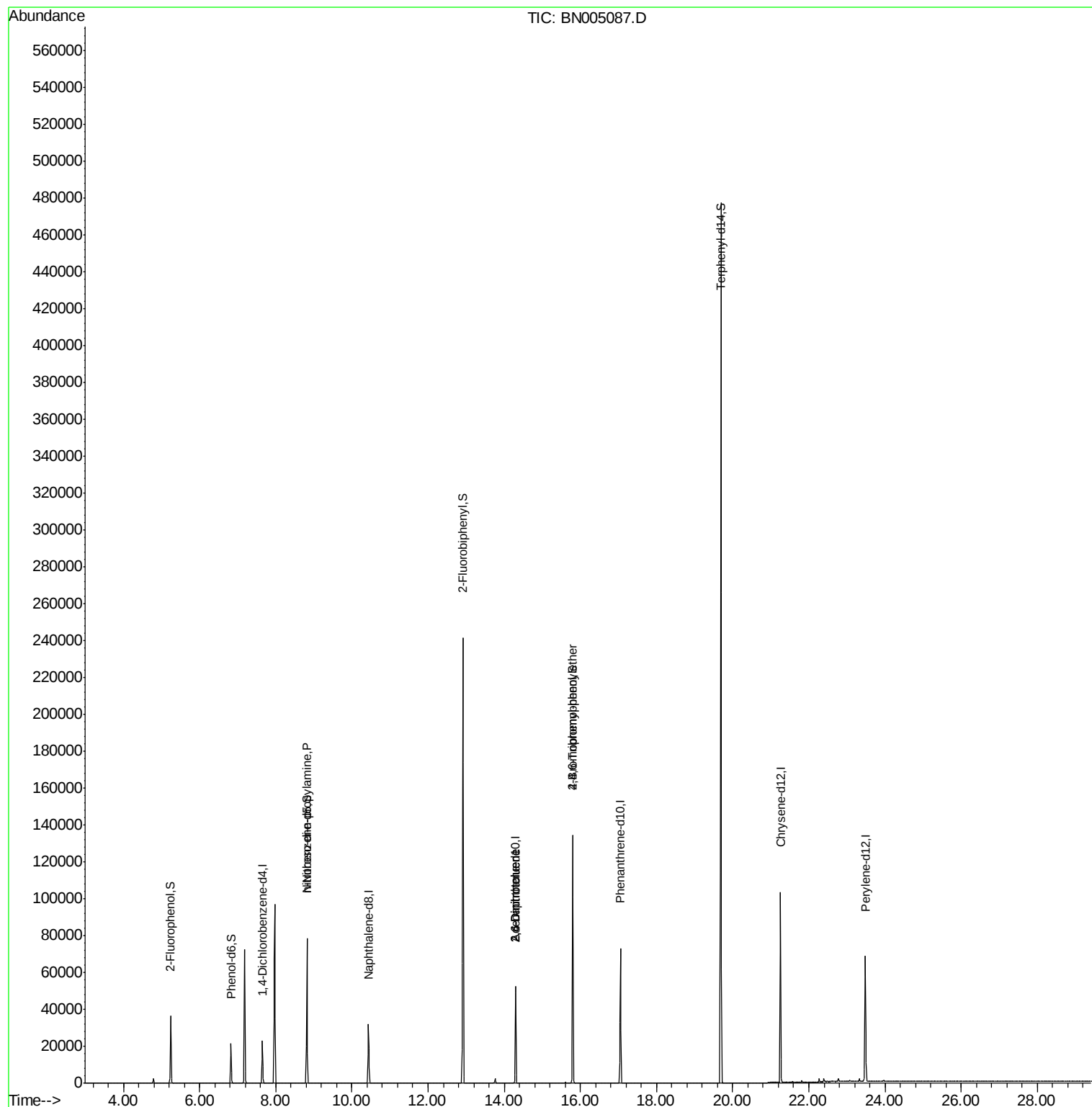
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	7497	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	30723	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	19062	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	45987	20.00	ng	0.00
76) Chrysene-d12	21.25	240	53957	20.00	ng	0.00
87) Perylene-d12	23.48	264	53851	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	18233	42.05	ng	0.00
7) Phenol-d6	6.82	99	14458	25.14	ng	0.00
23) Nitrobenzene-d5	8.82	82	45981	90.53	ng	0.00
42) 2,4,6-Tribromophenol	15.80	330	31318	101.87	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	131863	91.67	ng	0.00
79) Terphenyl-d14	19.69	244	244023	87.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.82	70	5811	15.412	ng	# 74
51) 2,6-Dinitrotoluene	14.30	165	2336	6.555	ng	# 32
57) 2,4-Dinitrotoluene	14.30	165	2336	4.823	ng	# 28
67) 4-Bromophenyl-phenylether	15.80	248	1750	3.049	ng	# 1

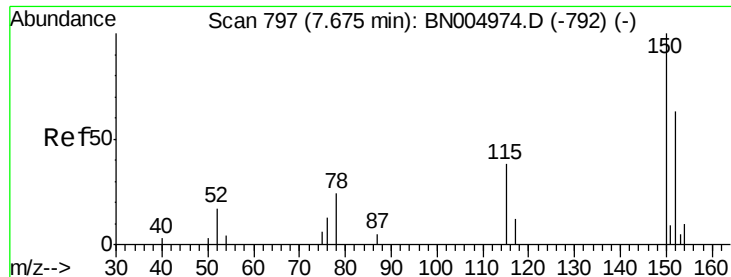
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
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QLast Update : Thu Apr 04 14:56:07 2019
Response via : Initial Calibration



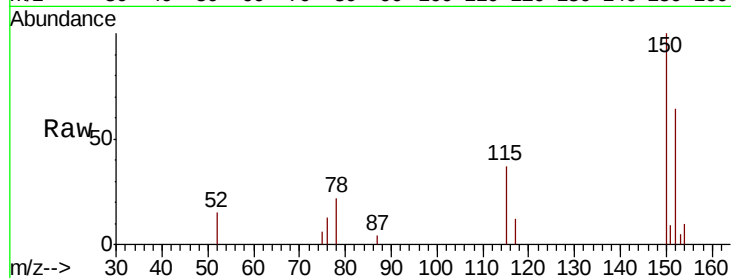


#1

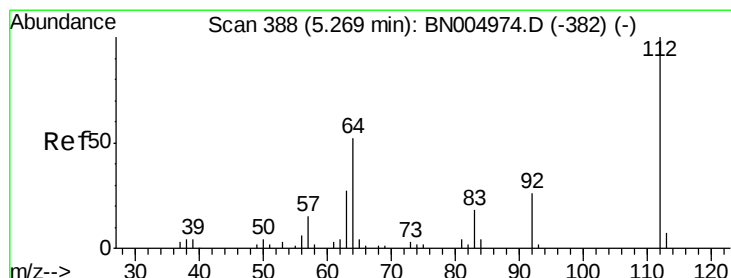
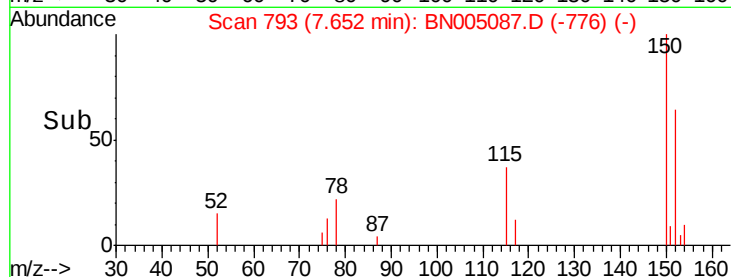
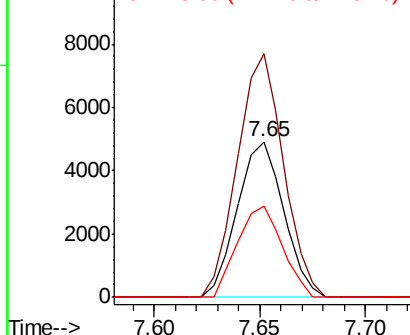
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.00 min
Lab File: BN005087.D
Acq: 04 Apr 2019 10:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 7497
Ion Ratio Lower Upper
152 100
150 156.6 125.8 188.6
115 58.3 47.9 71.9



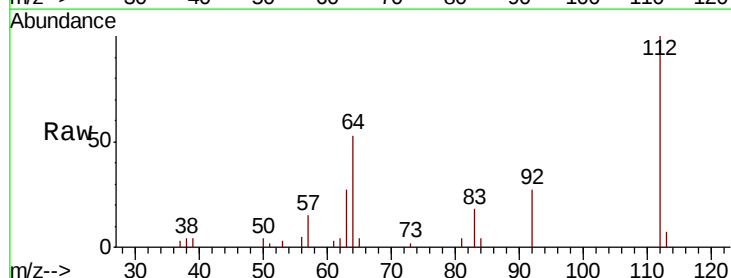
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



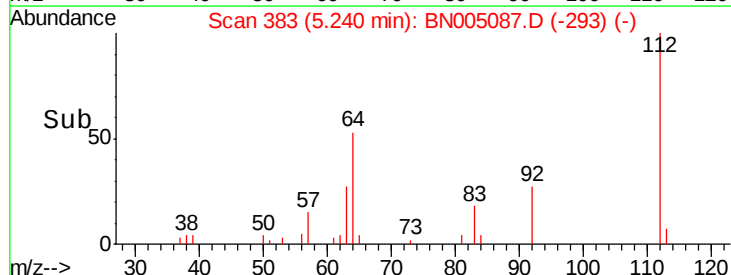
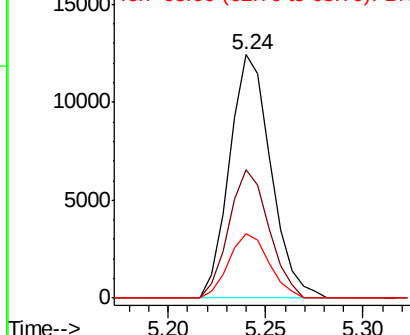
#5

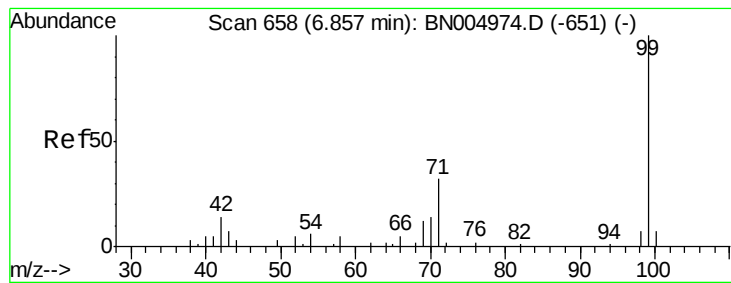
2-Fluorophenol
Concen: 42.047 ng
RT: 5.24 min Scan# 383
Delta R.T. -0.00 min
Lab File: BN005087.D
Acq: 04 Apr 2019 10:27

Tgt Ion:112 Resp: 18233
Ion Ratio Lower Upper
112 100
64 52.6 41.2 61.8
63 26.5 20.7 31.1



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: 25.138 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.01 min

Lab File: BN005087.D

Acq: 04 Apr 2019 10:27

Instrument :

BNA_N

ClientSampleId :

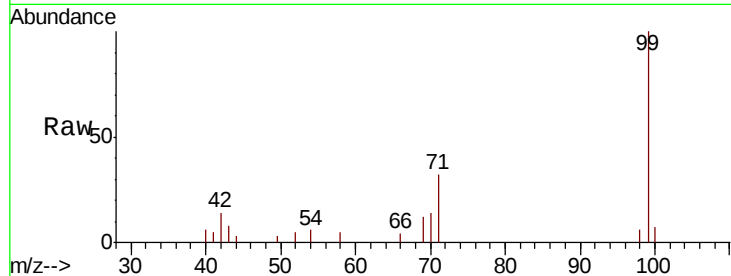
Tot Ion: 99 Resp: 14458

Ion Ratio Lower Upper

99 100

42 13.9 11.0 16.4

71 31.8 25.8 38.8

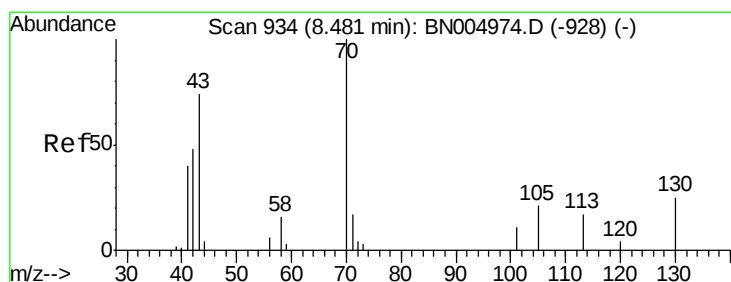
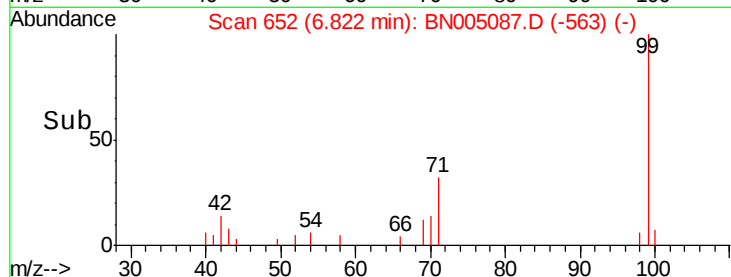
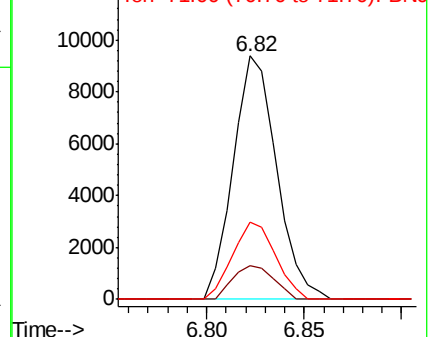


Abundance

Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0



#19

n-Nitroso-di-n-propylamine

Concen: 15.412 ng

RT: 8.82 min Scan# 991

Delta R.T. 0.36 min

Lab File: BN005087.D

Acq: 04 Apr 2019 10:27

Tgt Ion: 70 Resp: 5811

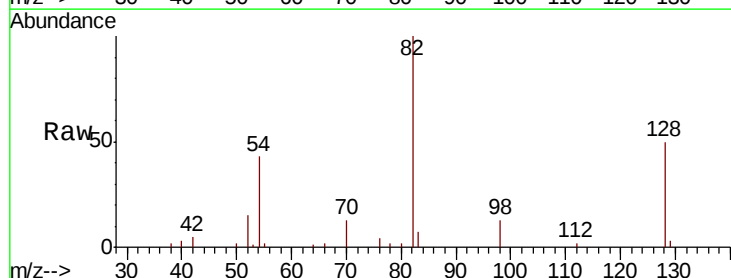
Ion Ratio Lower Upper

70 100

42 38.3 36.7 55.1

101 0.0 8.7 13.1#

130 0.0 20.2 30.2#



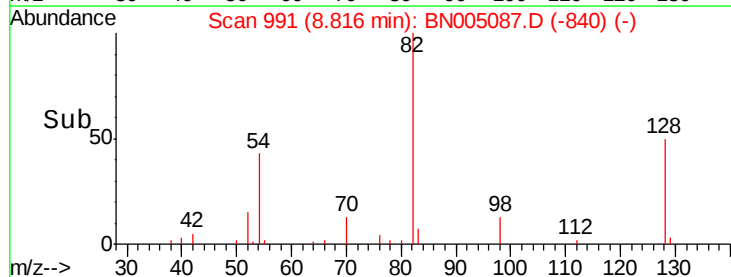
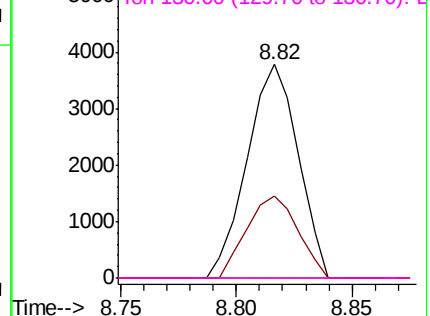
Abundance

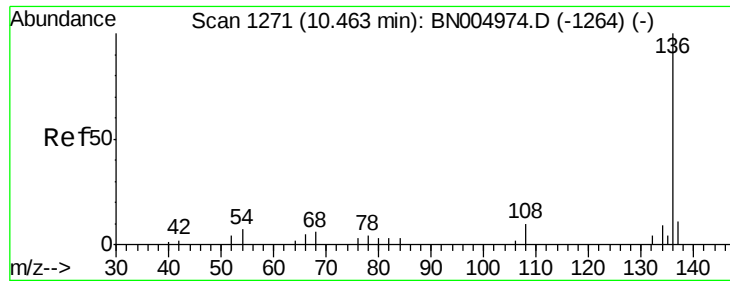
Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): BN0

Ion 130.00 (129.70 to 130.70): BN0

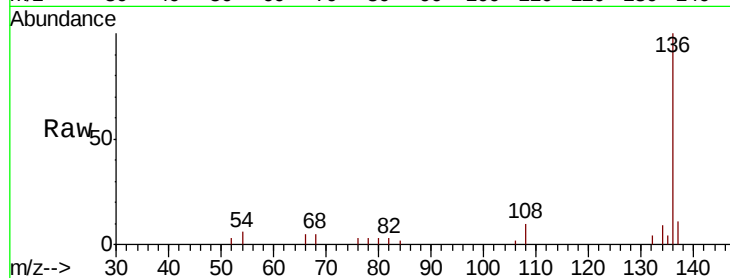




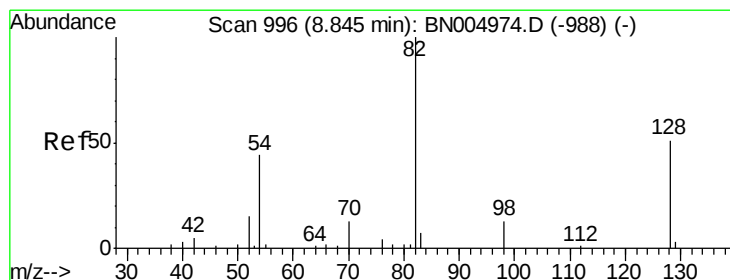
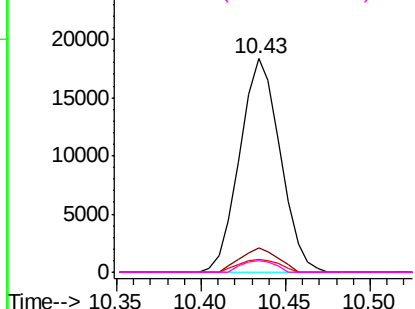
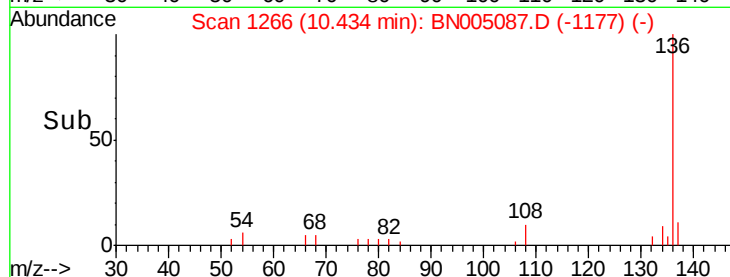
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.43 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BN005087.D
Acq: 04 Apr 2019 10:27

Instrument :
BNA_N
ClientSampled :

Tot Ion:136	Resp:	30723
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.6 12.8
54	6.3	5.0 7.4
68	5.1	4.2 6.4

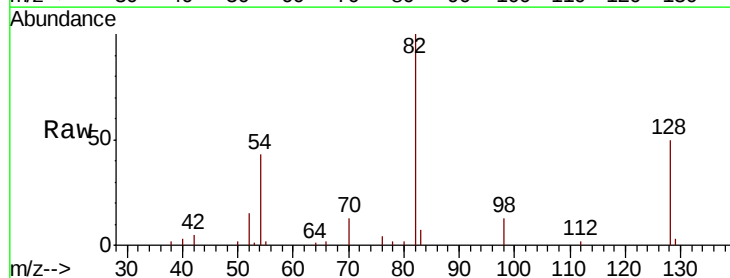


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

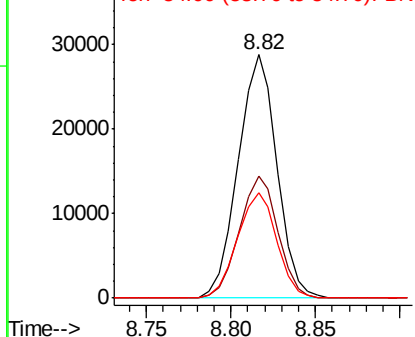
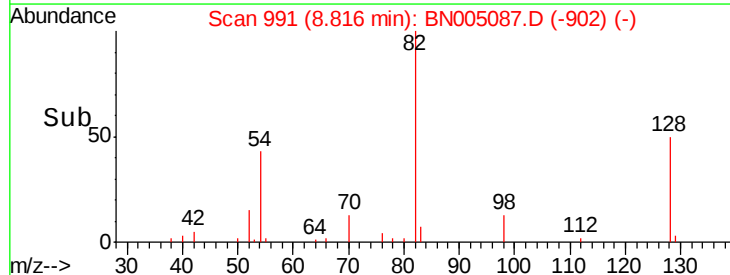


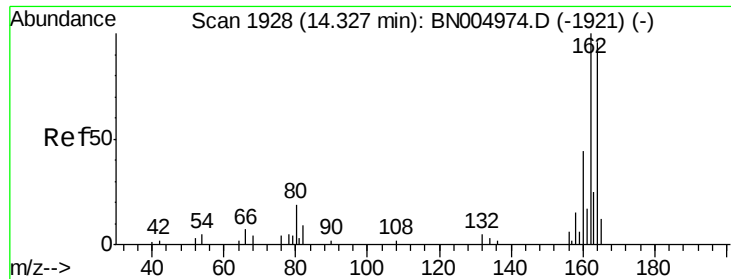
#23
Nitrobenzene-d5
Concen: 90.533 ng
RT: 8.82 min Scan# 991
Delta R.T. -0.01 min
Lab File: BN005087.D
Acq: 04 Apr 2019 10:27

Tgt Ion: 82	Resp:	45981
Ion	Ratio	Lower Upper
82	100	
128	50.1	40.6 60.8
54	43.5	34.4 51.6



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

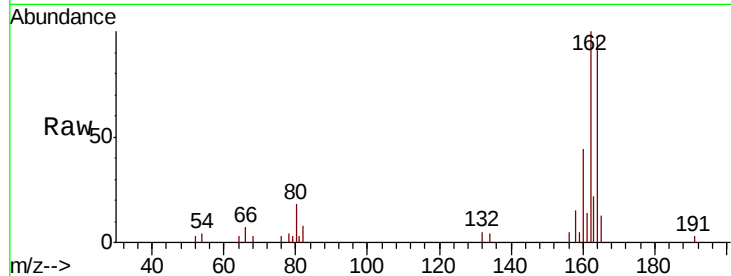




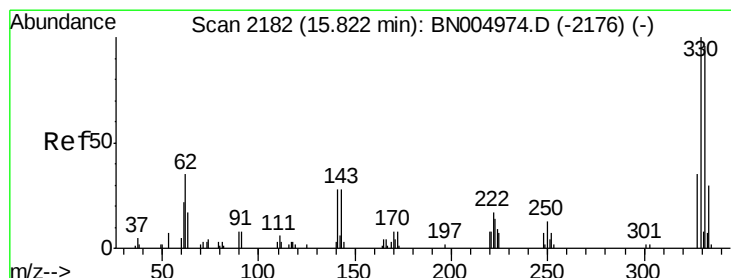
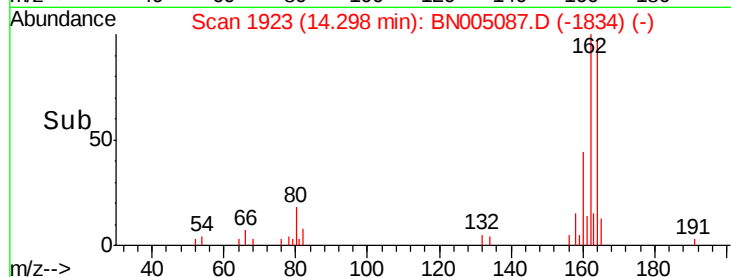
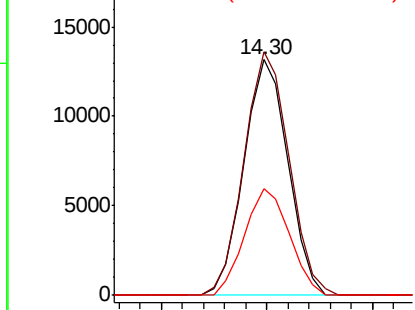
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN005087.D
Acq: 04 Apr 2019 10:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion:164 Resp: 19062
Ion Ratio Lower Upper
164 100
162 103.3 83.8 125.6
160 45.2 36.0 54.0

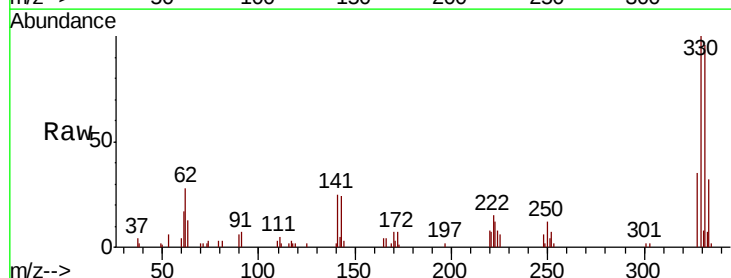


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

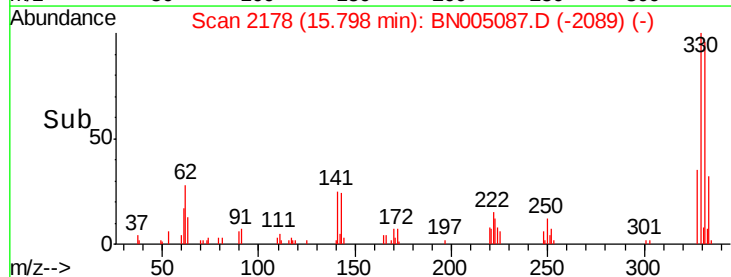
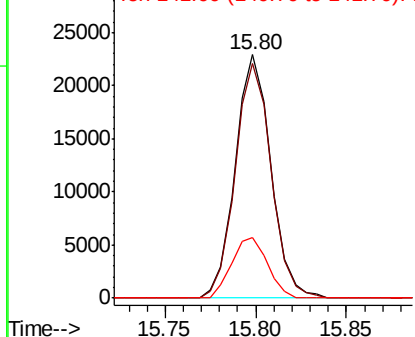


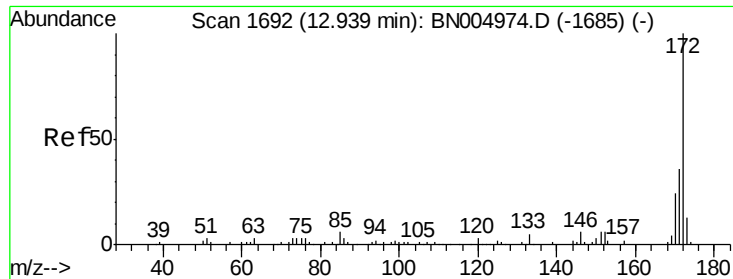
#42
2,4,6-Tribromophenol
Concen: 101.869 ng
RT: 15.80 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BN005087.D
Acq: 04 Apr 2019 10:27

Tgt Ion:330 Resp: 31318
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.2
141 25.0 20.3 30.5



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

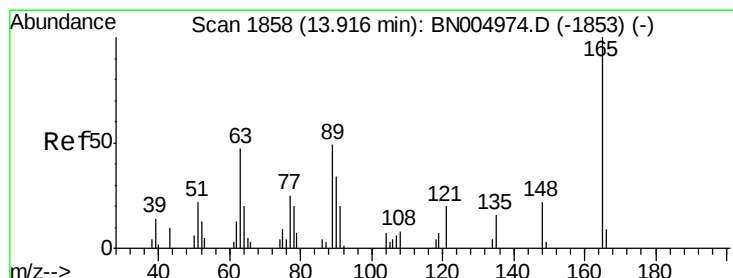
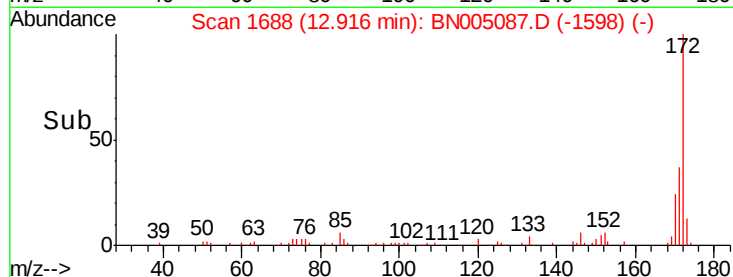
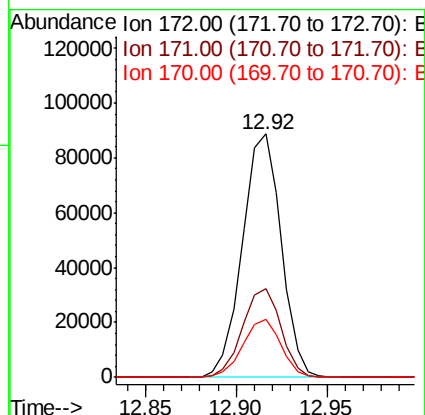
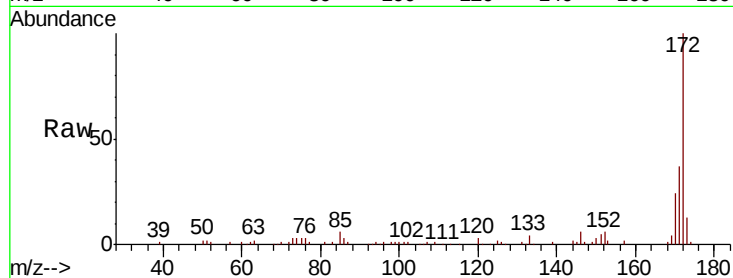




#45
 2-Fluorobiphenyl
 Concen: 91.667 ng
 RT: 12.92 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: BN005087.D
 Acq: 04 Apr 2019 10:27

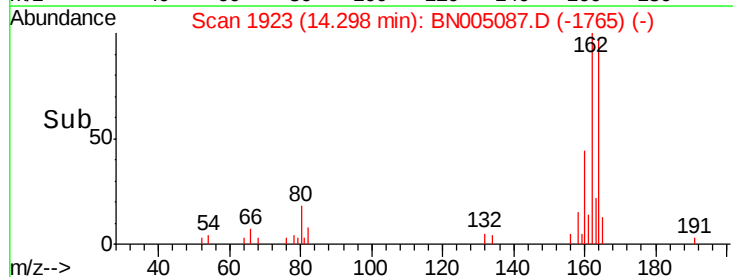
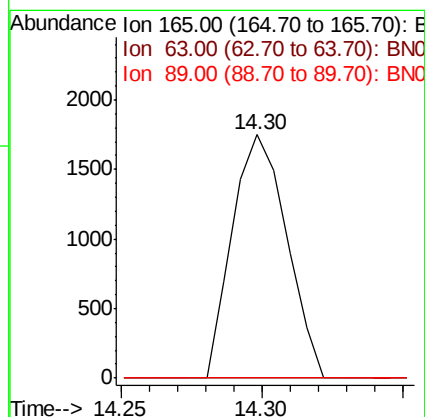
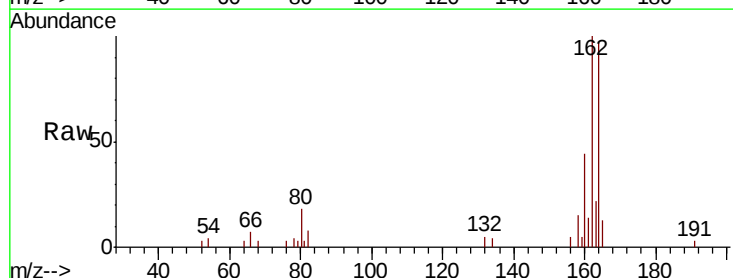
Instrument :
 BNA_N
 ClientSampleId :

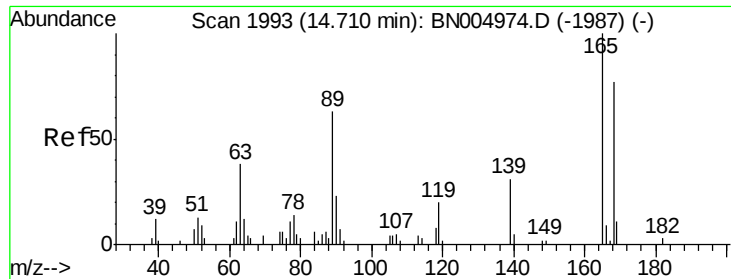
Tot Ion:172 Resp: 131863
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.7 43.1
 170 23.7 18.8 28.2



#51
 2,6-Dinitrotoluene
 Concen: 6.555 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. 0.40 min
 Lab File: BN005087.D
 Acq: 04 Apr 2019 10:27

Tgt Ion:165 Resp: 2336
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.2 51.4#
 89 0.0 36.9 55.3#

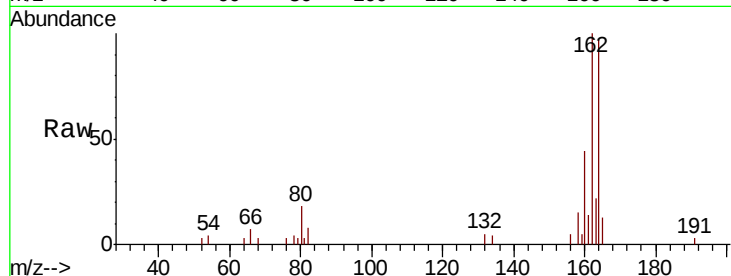




#57
 2,4-Dinitrotoluene
 Concen: 4.823 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.39 min
 Lab File: BN005087.D
 Acq: 04 Apr 2019 10:27

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	29.6	44.4#
89	0.0	49.7	74.5#
182	0.0	2.4	3.6#

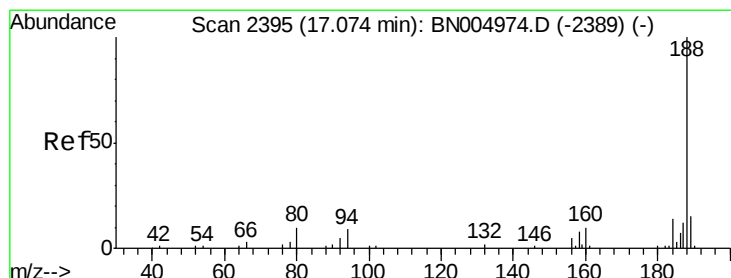
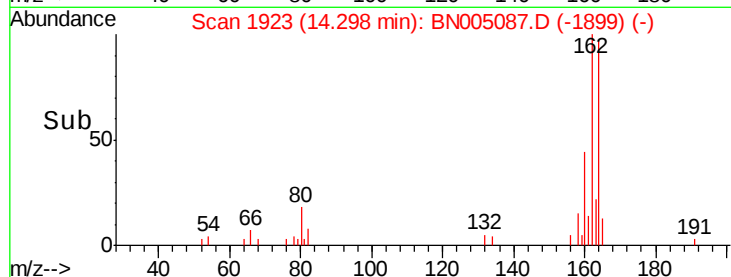
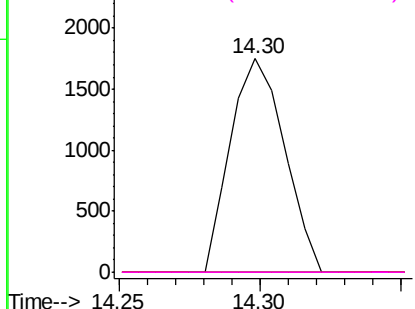


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

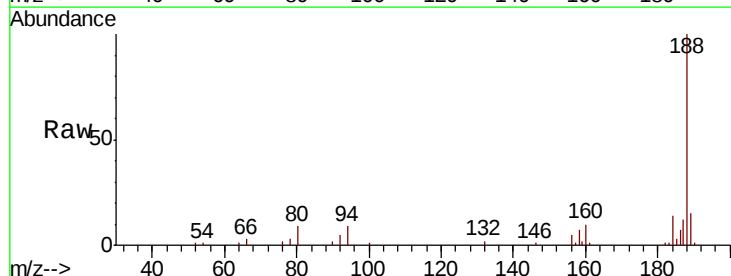
Ion 89.00 (88.70 to 89.70): BNC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2391
 Delta R.T. -0.01 min
 Lab File: BN005087.D
 Acq: 04 Apr 2019 10:27

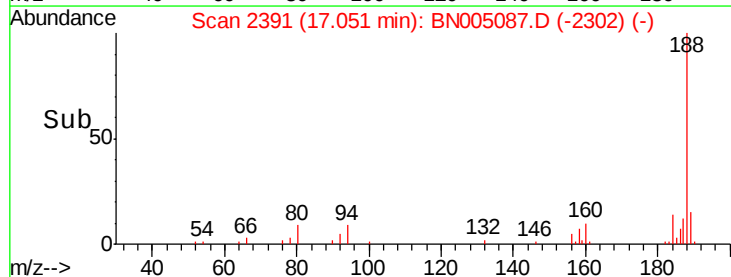
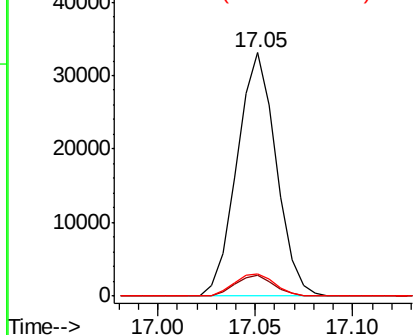
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.2	7.1	10.7

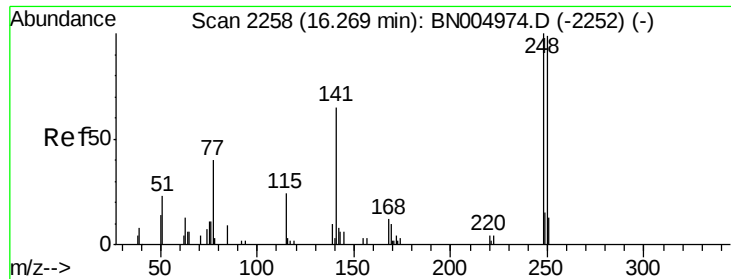


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

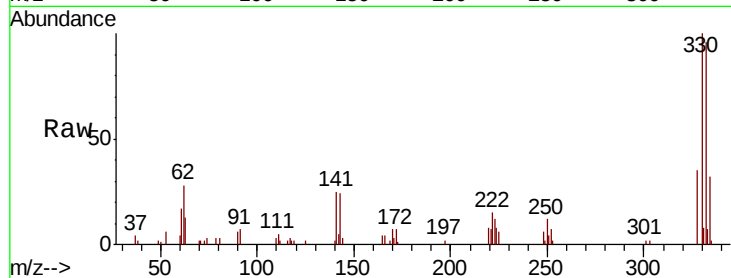




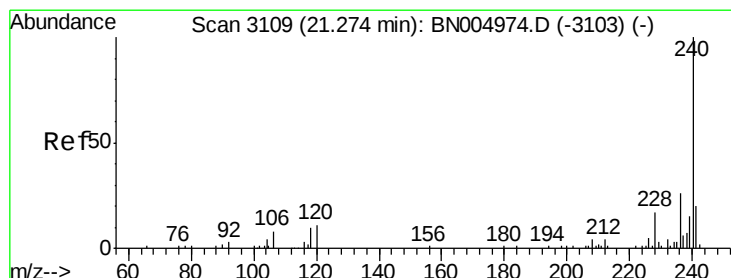
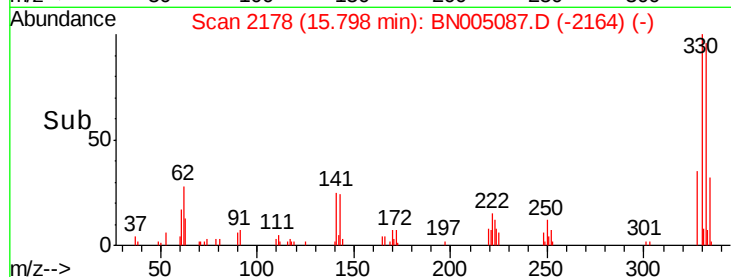
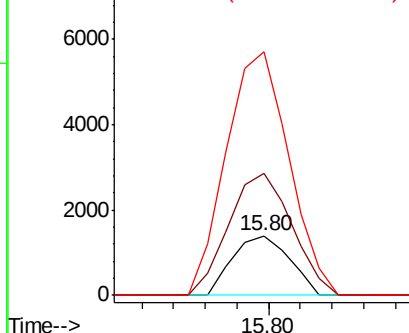
#67
 4-Bromophenyl-phenylether
 Concen: 3.049 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.45 min
 Lab File: BN005087.D
 Acq: 04 Apr 2019 10:27

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:248 Resp: 1750
 Ion Ratio Lower Upper
 248 100
 250 204.0 80.2 120.2#
 141 407.7 54.6 82.0#

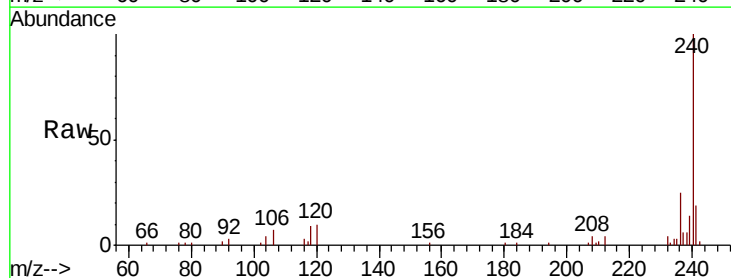


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

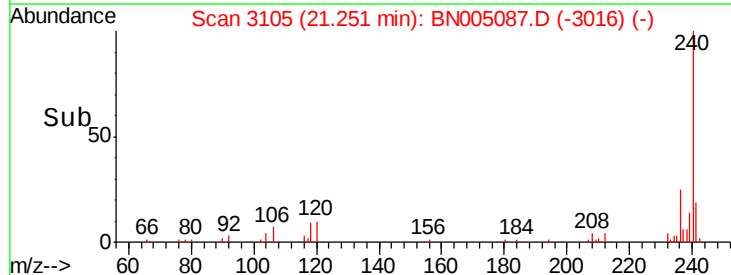
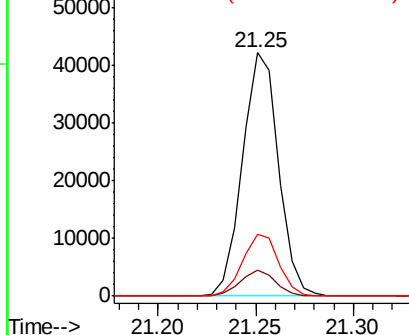


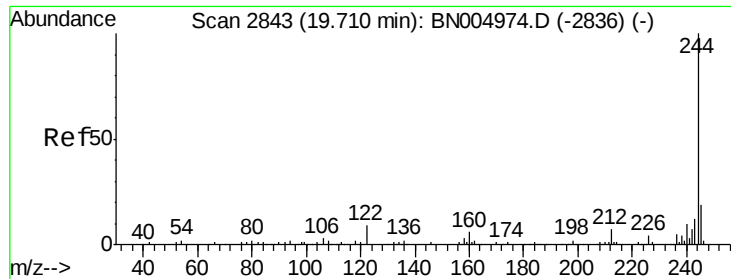
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.01 min
 Lab File: BN005087.D
 Acq: 04 Apr 2019 10:27

Tgt Ion:240 Resp: 53957
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.1 12.1
 236 25.3 20.4 30.6



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: 87.070 ng

RT: 19.69 min Scan# 2840

Delta R.T. -0.00 min

Lab File: BN005087.D

Acq: 04 Apr 2019 10:27

Instrument :

BNA_N

ClientSampleId :

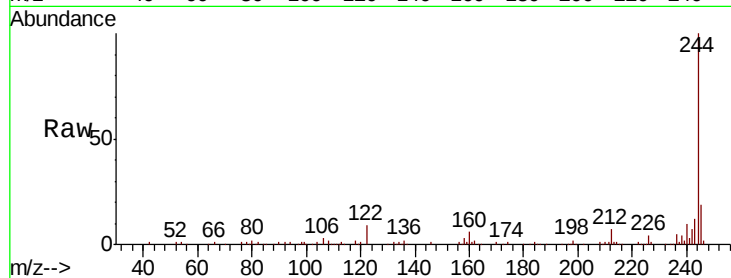
Tot Ion:244 Resp: 244023

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

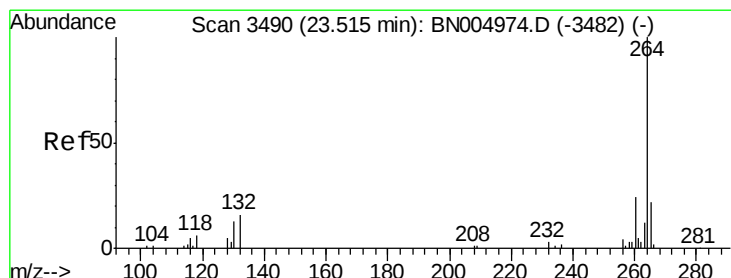
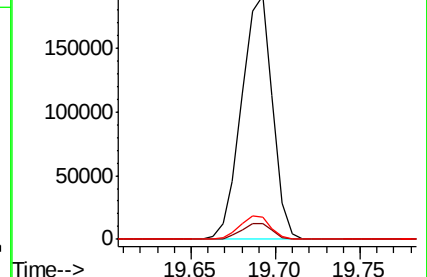
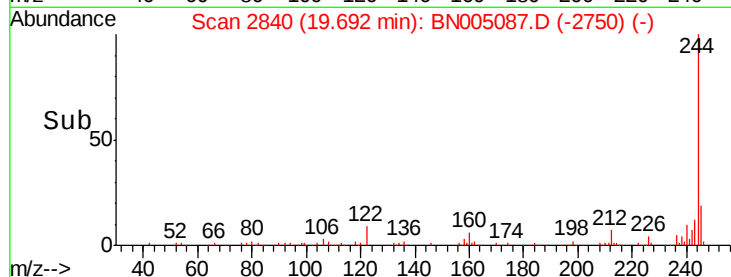
122 9.2 7.8 11.6



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

Perylene-d12

Concen: 20.000 ng

RT: 23.48 min Scan# 3484

Delta R.T. -0.01 min

Lab File: BN005087.D

Acq: 04 Apr 2019 10:27

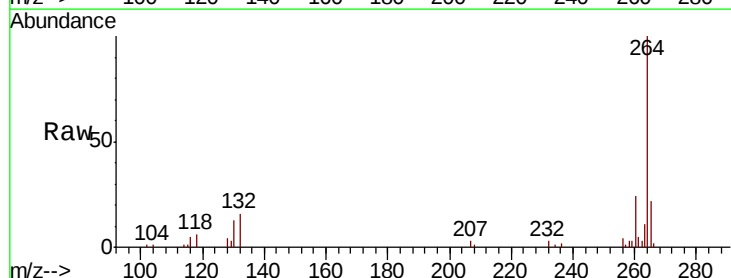
Tgt Ion:264 Resp: 53851

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.8 17.4 26.2



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

