

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040319\
 Data File : BN005090.D
 Acq On : 04 Apr 2019 12:13
 Operator : JU/SJ
 Sample : K2224-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 04 15:04:16 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

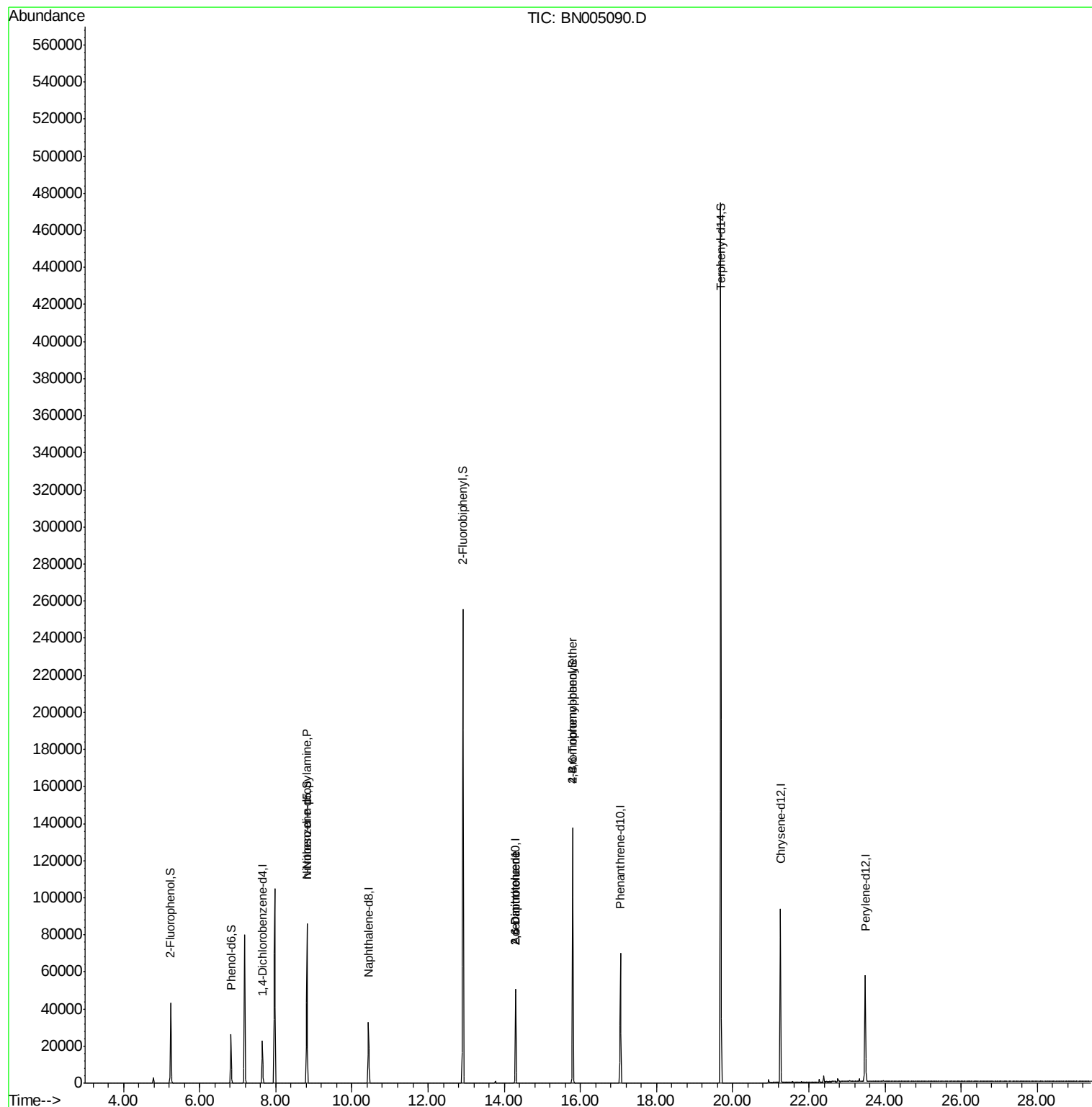
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	7617	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	30648	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	18774	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	44408	20.00	ng	0.00
76) Chrysene-d12	21.25	240	48084	20.00	ng	0.00
87) Perylene-d12	23.48	264	46014	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	21895	49.70	ng	0.00
7) Phenol-d6	6.82	99	18037	30.87	ng	0.00
23) Nitrobenzene-d5	8.82	82	49421	97.54	ng	0.00
42) 2,4,6-Tribromophenol	15.80	330	31779	104.95	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	137422	97.00	ng	0.00
79) Terphenyl-d14	19.69	244	236722	94.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.82	70	6342	16.556	ng	# 75
51) 2,6-Dinitrotoluene	14.30	165	2296	6.542	ng	# 32
57) 2,4-Dinitrotoluene	14.30	165	2296	4.814	ng	# 28
67) 4-Bromophenyl-phenylether	15.80	248	1756	3.169	ng	# 1

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

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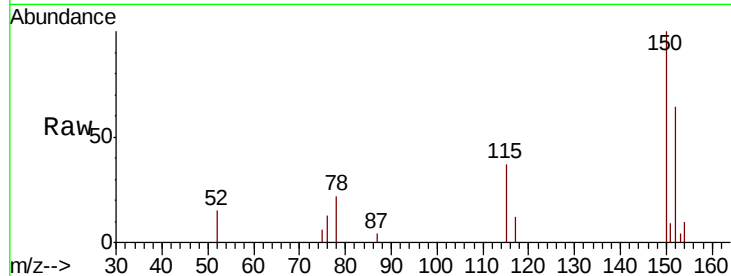


#1

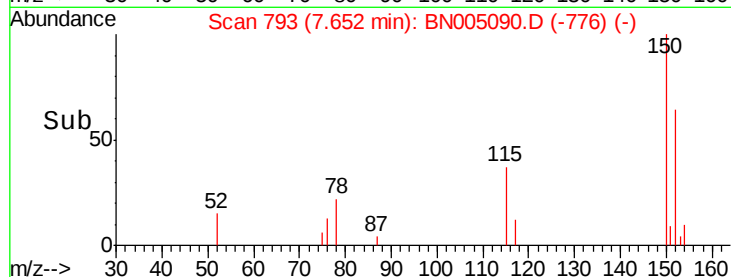
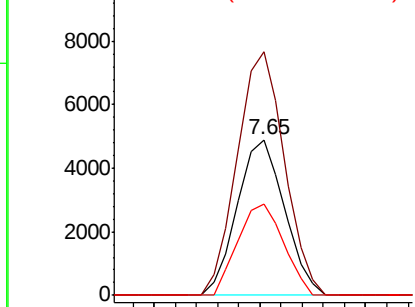
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.00 min
Lab File: BN005090.D
Acq: 04 Apr 2019 12:13

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 7617
Ion Ratio Lower Upper
152 100
150 156.6 125.8 188.6
115 58.4 47.9 71.9



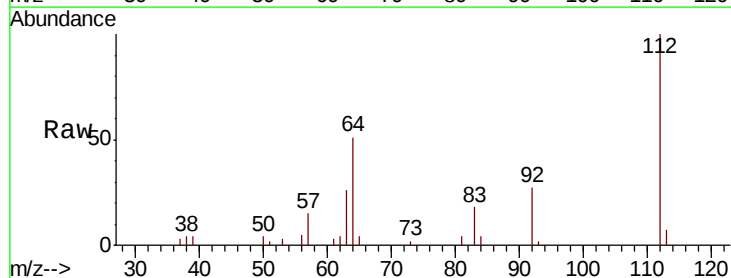
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



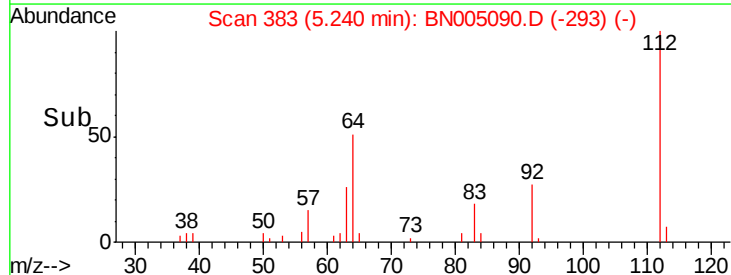
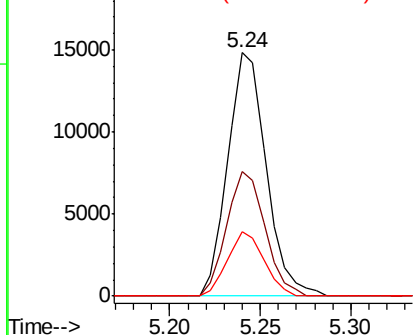
#5

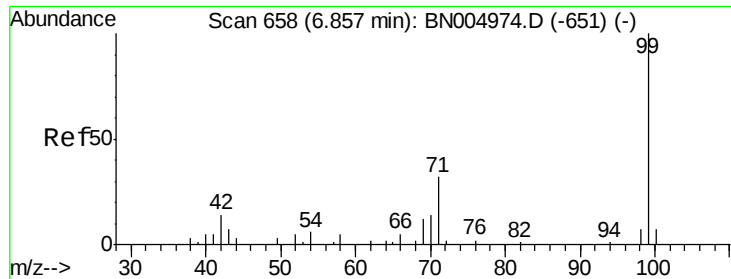
2-Fluorophenol
Concen: 49.697 ng
RT: 5.24 min Scan# 383
Delta R.T. -0.00 min
Lab File: BN005090.D
Acq: 04 Apr 2019 12:13

Tgt Ion:112 Resp: 21895
Ion Ratio Lower Upper
112 100
64 51.2 41.2 61.8
63 26.2 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: 30.867 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.01 min

Lab File: BN005090.D

Acq: 04 Apr 2019 12:13

Instrument :

BNA_N

ClientSampled :

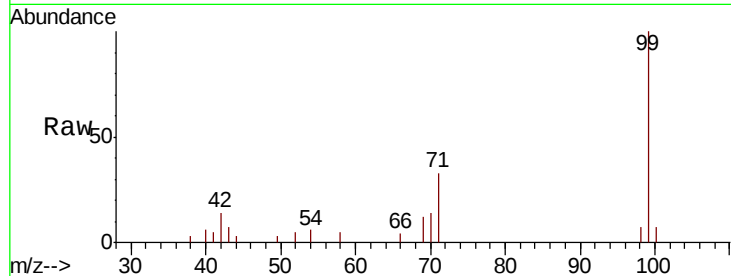
Tot Ion: 99 Resp: 18037

Ion Ratio Lower Upper

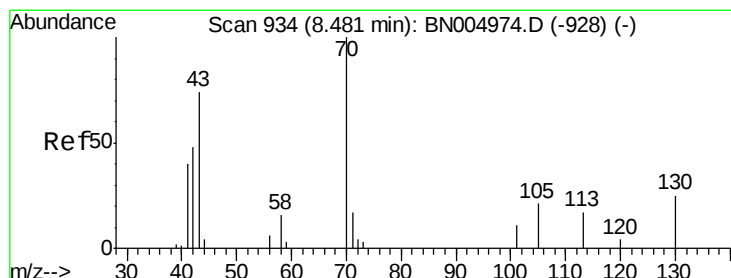
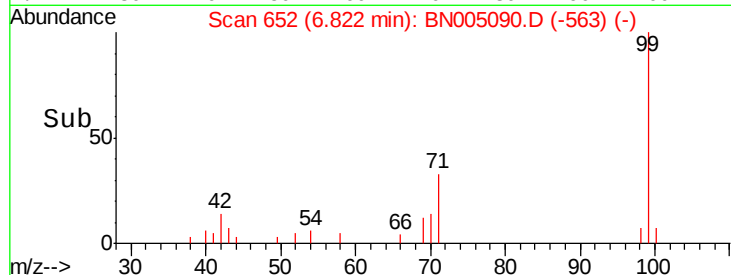
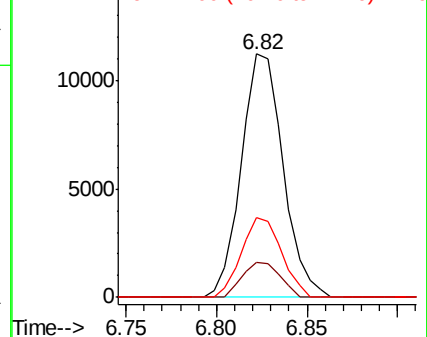
99 100

42 14.2 11.0 16.4

71 32.7 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: 16.556 ng

RT: 8.82 min Scan# 991

Delta R.T. 0.36 min

Lab File: BN005090.D

Acq: 04 Apr 2019 12:13

Tgt Ion: 70 Resp: 6342

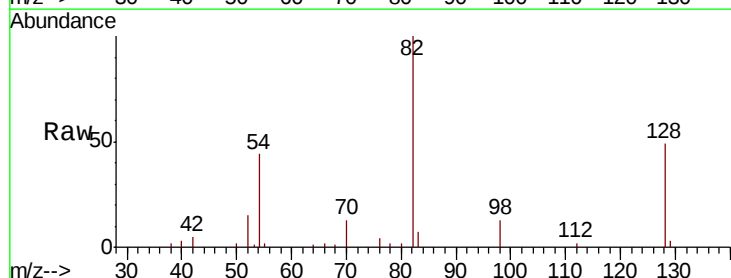
Ion Ratio Lower Upper

70 100

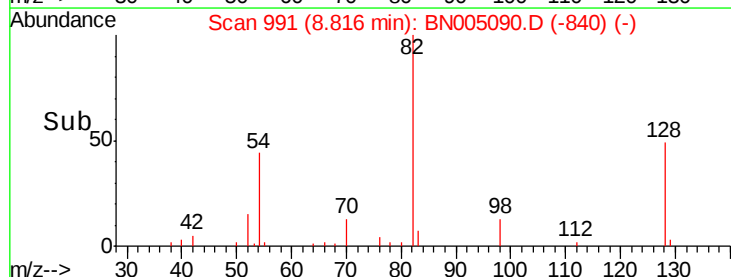
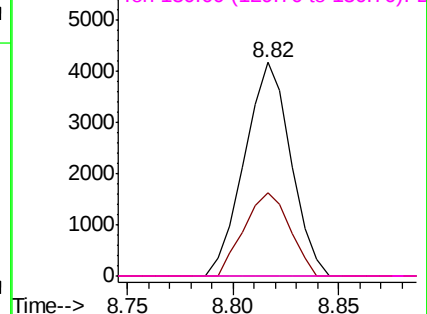
42 39.0 36.7 55.1

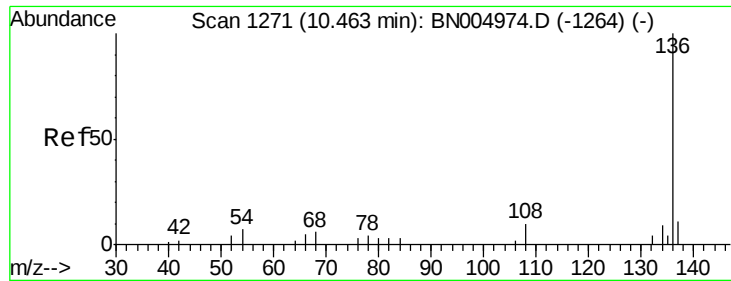
101 0.0 8.7 13.1#

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): E
Ion 130.00 (129.70 to 130.70): E

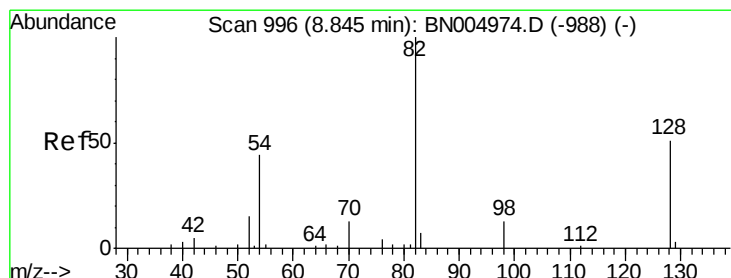
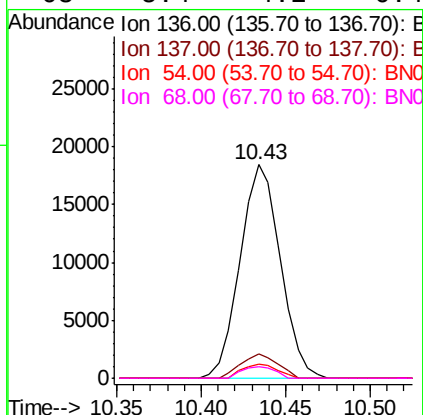
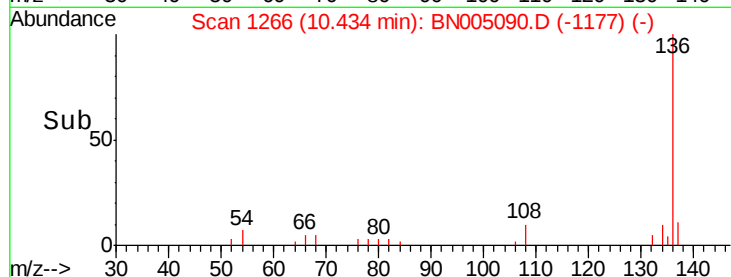
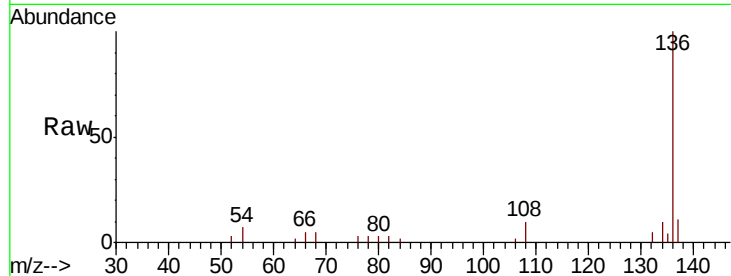




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.43 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BN005090.D
Acq: 04 Apr 2019 12:13

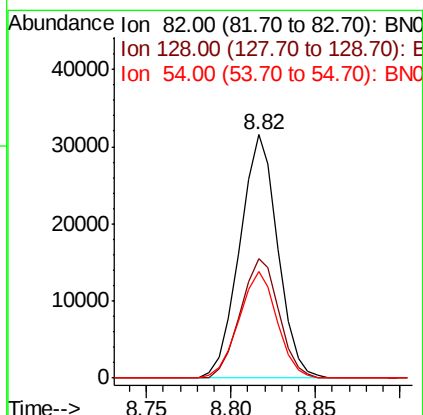
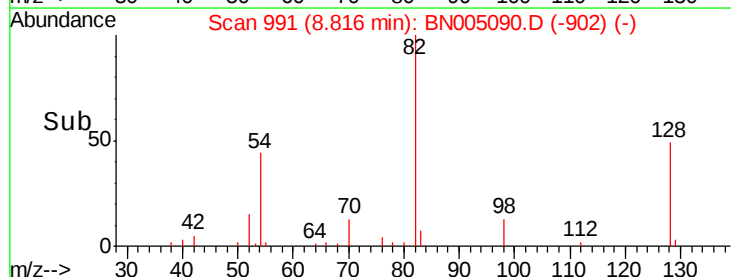
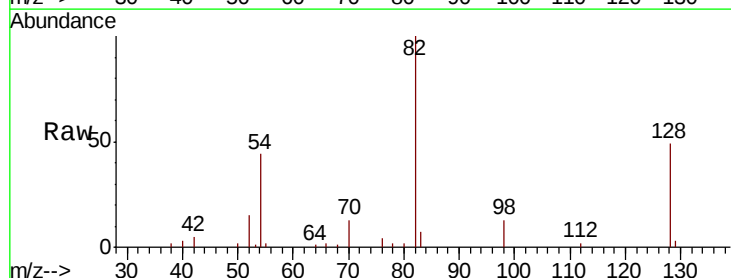
Instrument :
BNA_N
ClientSampled :

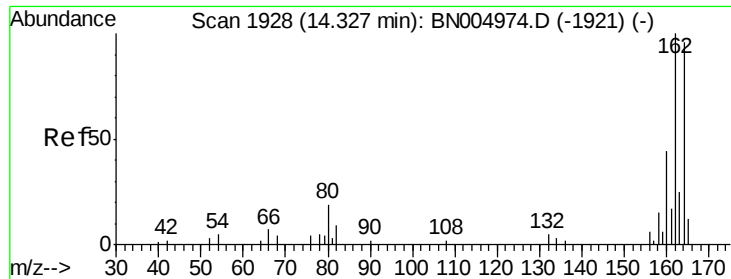
Tot Ion:136	Resp:	30648
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.6 12.8
54	6.7	5.0 7.4
68	5.4	4.2 6.4



#23
Nitrobenzene-d5
Concen: 97.545 ng
RT: 8.82 min Scan# 991
Delta R.T. -0.01 min
Lab File: BN005090.D
Acq: 04 Apr 2019 12:13

Tgt Ion: 82	Resp:	49421
Ion	Ratio	Lower Upper
82	100	
128	49.2	40.6 60.8
54	43.7	34.4 51.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.30 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN005090.D

Acq: 04 Apr 2019 12:13

Instrument :

BNA_N

ClientSampleId :

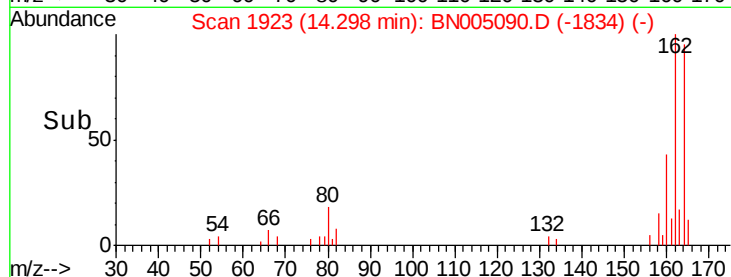
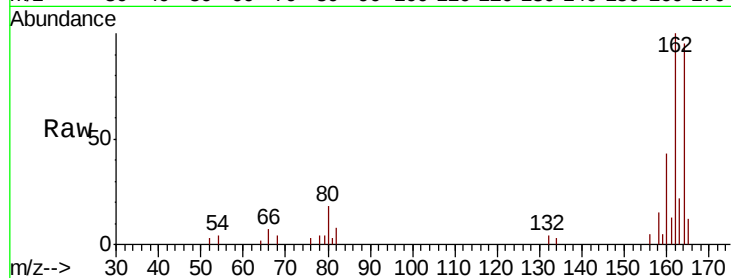
Tot Ion:164 Resp: 18774

Ion Ratio Lower Upper

164 100

162 105.4 83.8 125.6

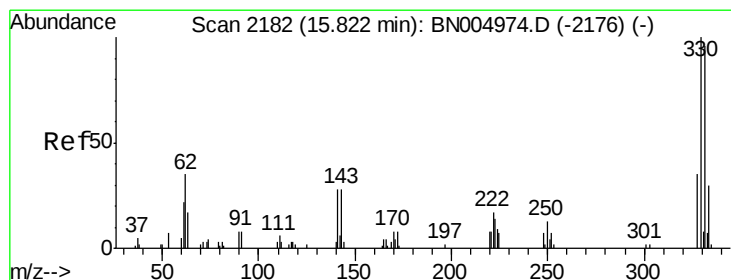
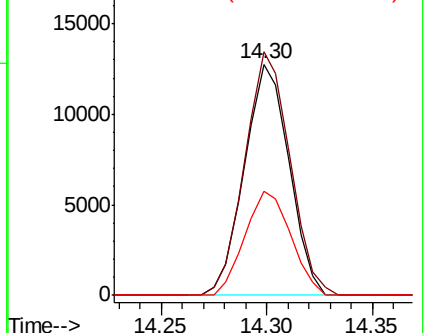
160 45.3 36.0 54.0



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: 104.954 ng

RT: 15.80 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BN005090.D

Acq: 04 Apr 2019 12:13

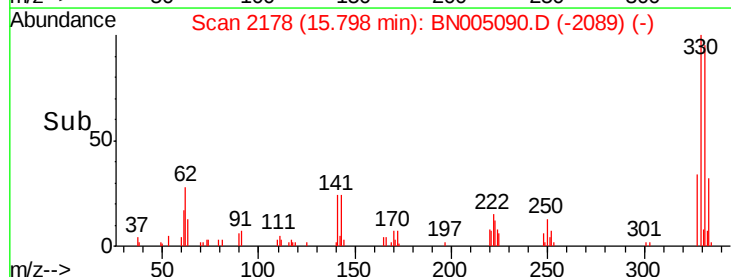
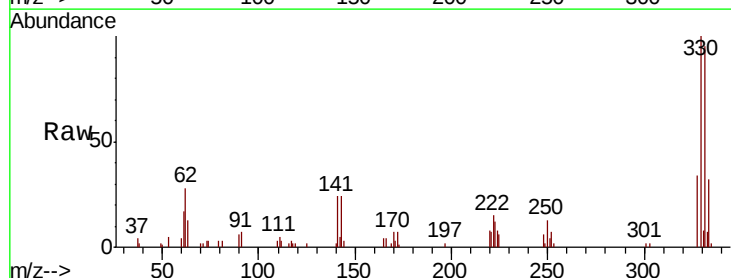
Tgt Ion:330 Resp: 31779

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

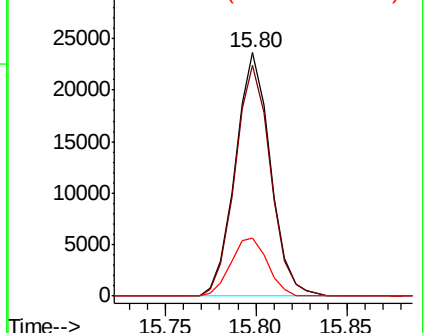
141 25.1 20.3 30.5

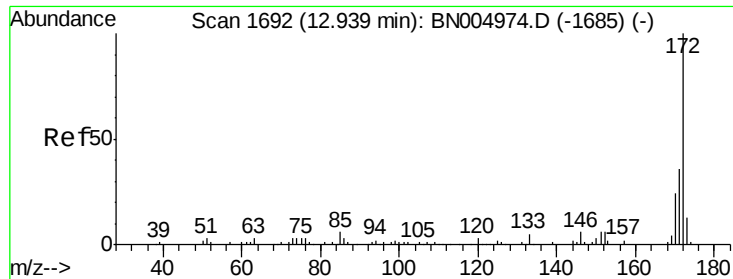


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

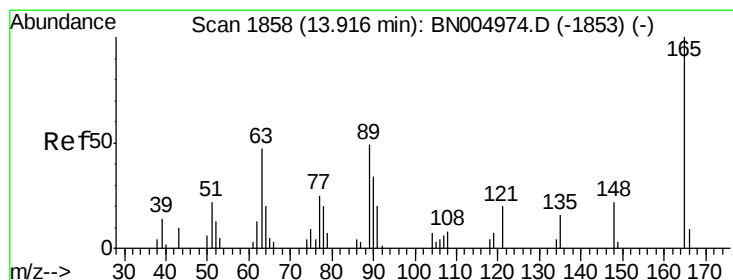
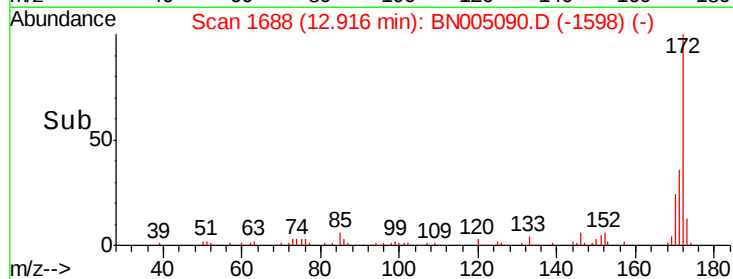
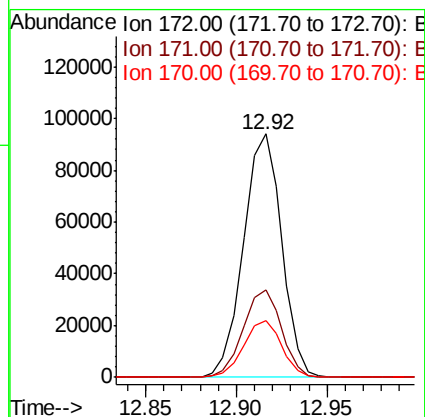
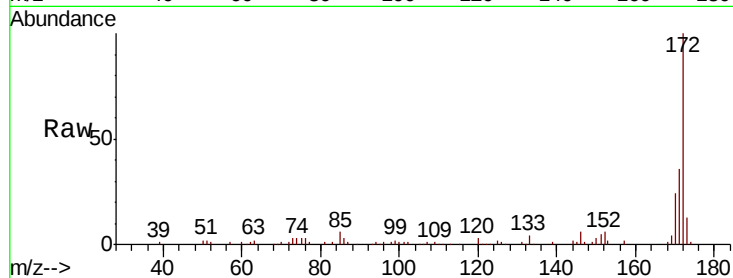




#45
 2-Fluorobiphenyl
 Concen: 96.997 ng
 RT: 12.92 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: BN005090.D
 Acq: 04 Apr 2019 12:13

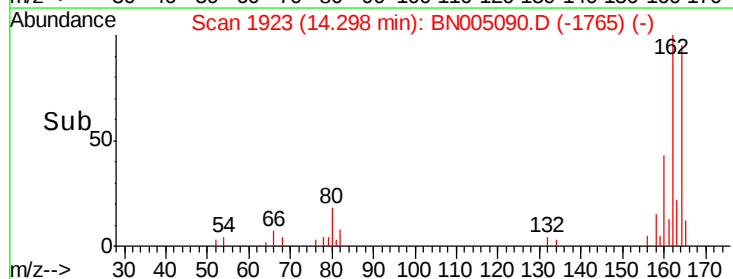
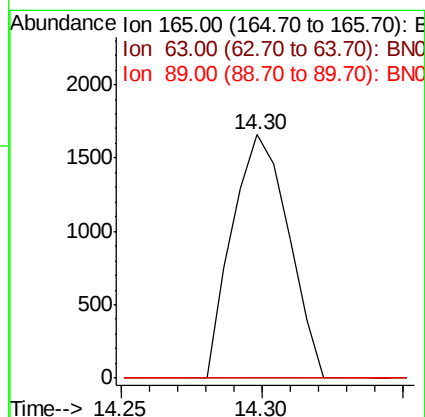
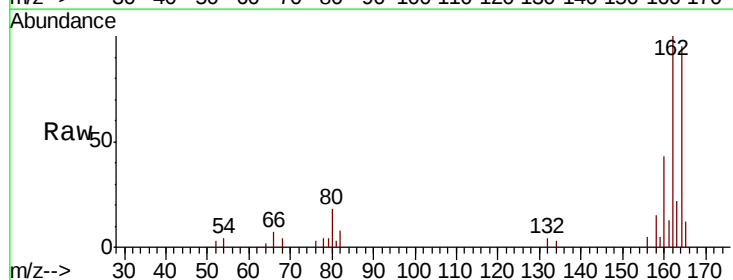
Instrument :
 BNA_N
 ClientSampleId :

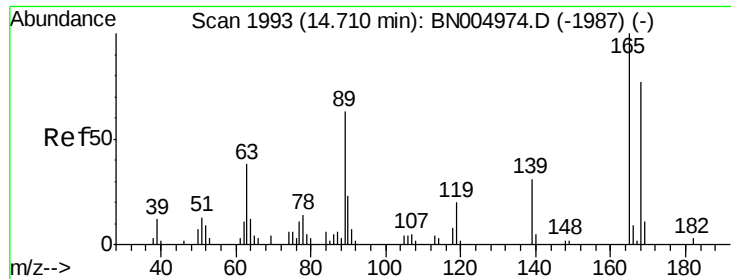
Tot Ion:172 Resp: 137422
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.7 43.1
 170 23.5 18.8 28.2



#51
 2,6-Dinitrotoluene
 Concen: 6.542 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. 0.40 min
 Lab File: BN005090.D
 Acq: 04 Apr 2019 12:13

Tgt Ion:165 Resp: 2296
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.2 51.4#
 89 0.0 36.9 55.3#

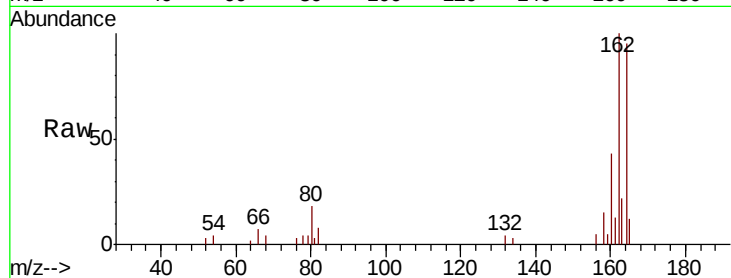




#57
 2,4-Dinitrotoluene
 Concen: 4.814 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.39 min
 Lab File: BN005090.D
 Acq: 04 Apr 2019 12:13

Instrument :
 BNA_N
 ClientSampleId :

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#



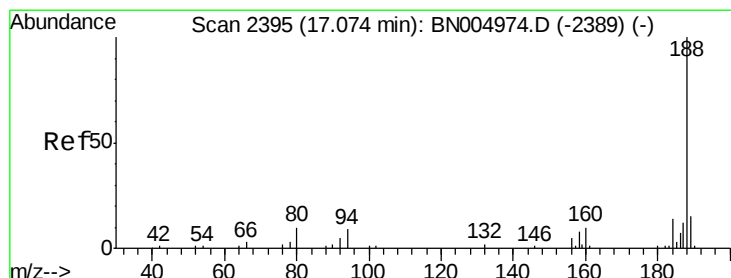
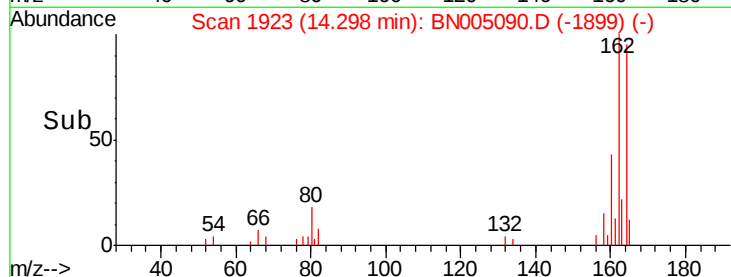
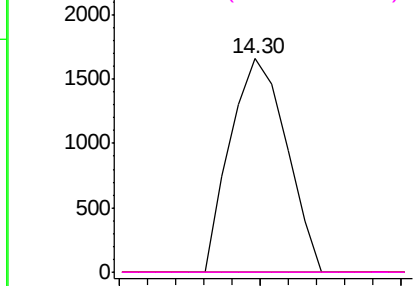
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

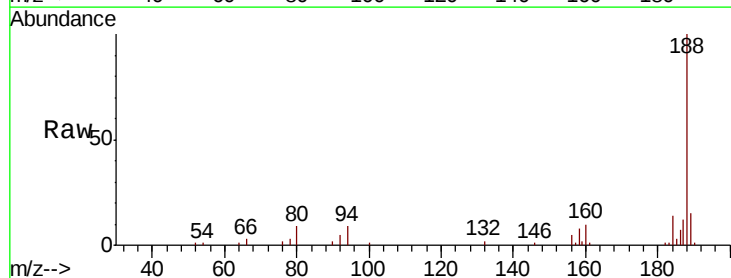
Ion 89.00 (88.70 to 89.70): BNC

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: BN005090.D
 Acq: 04 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.4	7.1	10.7

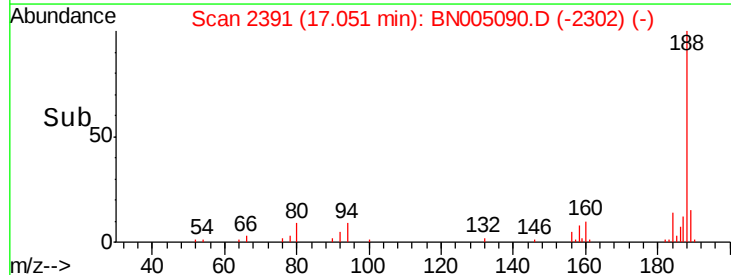
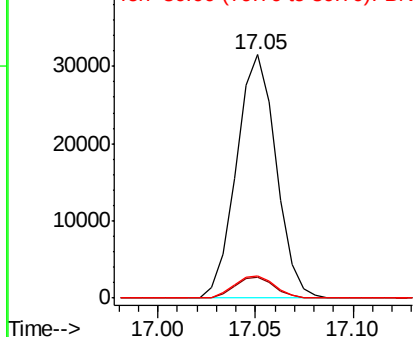


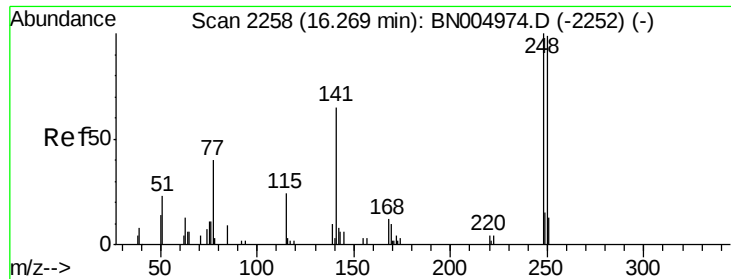
Abundance

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

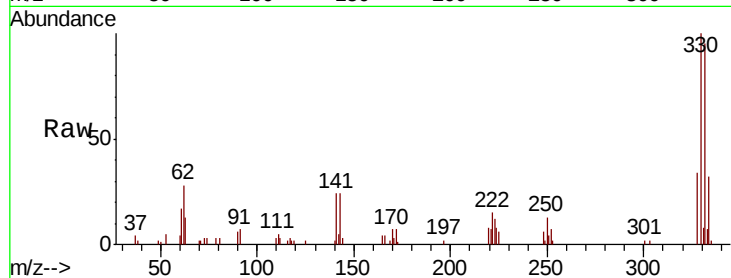




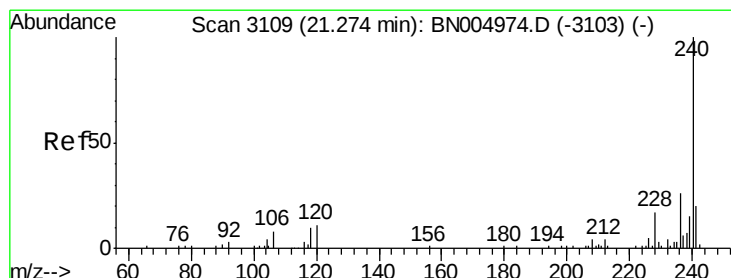
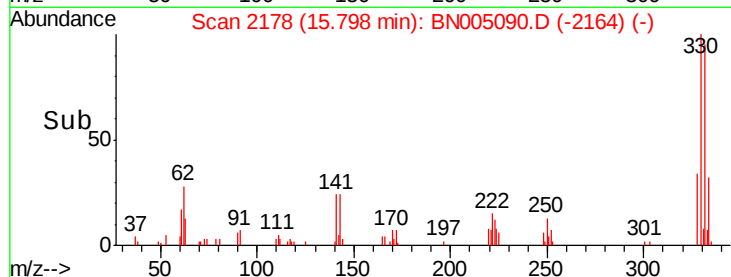
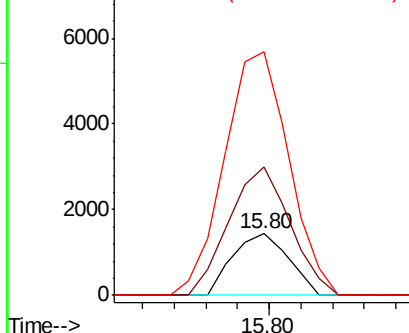
#67
 4-Bromophenyl-phenylether
 Concen: 3.169 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.45 min
 Lab File: BN005090.D
 Acq: 04 Apr 2019 12:13

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:248 Resp: 1756
 Ion Ratio Lower Upper
 248 100
 250 209.5 80.2 120.2#
 141 396.3 54.6 82.0#

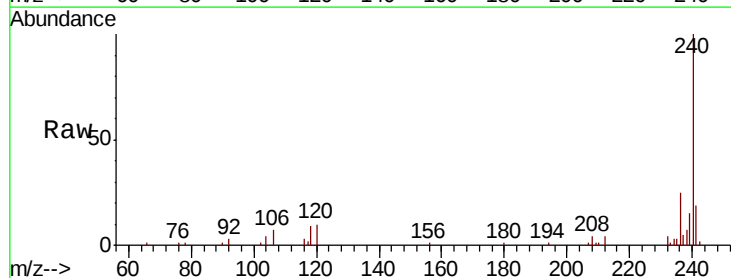


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

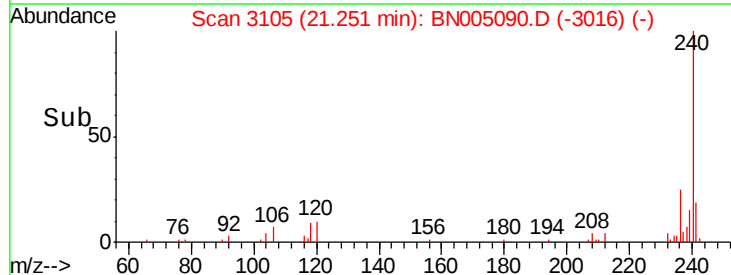
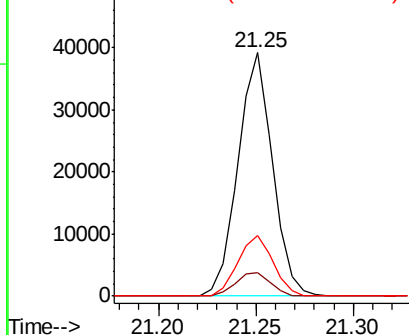


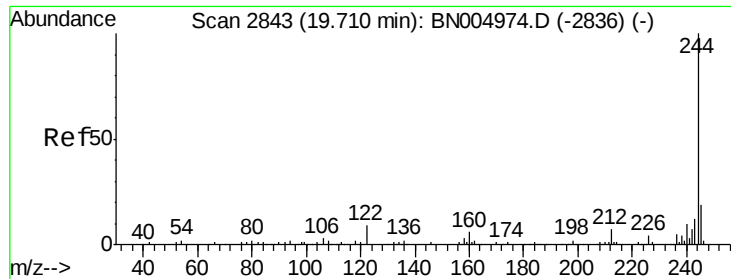
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.01 min
 Lab File: BN005090.D
 Acq: 04 Apr 2019 12:13

Tgt Ion:240 Resp: 48084
 Ion Ratio Lower Upper
 240 100
 120 9.6 8.1 12.1
 236 24.9 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: 94.782 ng

RT: 19.69 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BN005090.D

Acq: 04 Apr 2019 12:13

Instrument :

BNA_N

ClientSampleId :

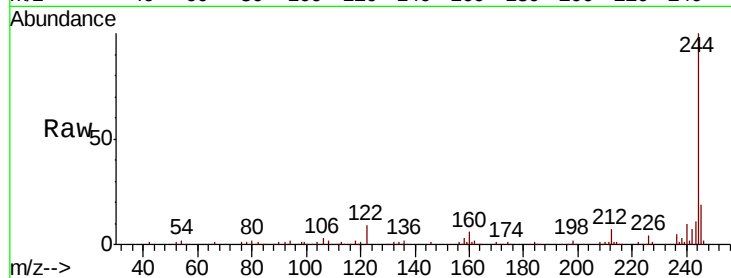
Tot Ion:244 Resp: 236722

Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

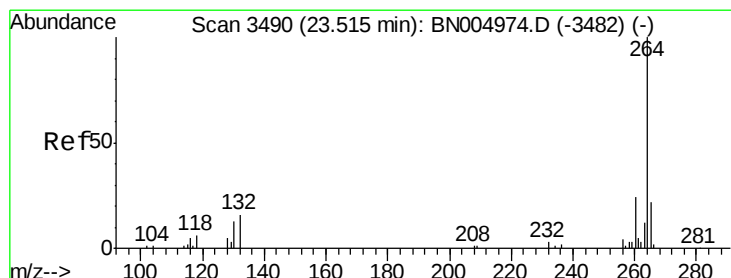
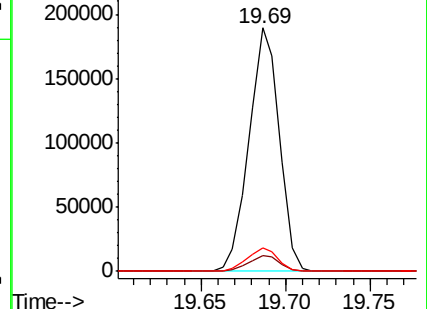
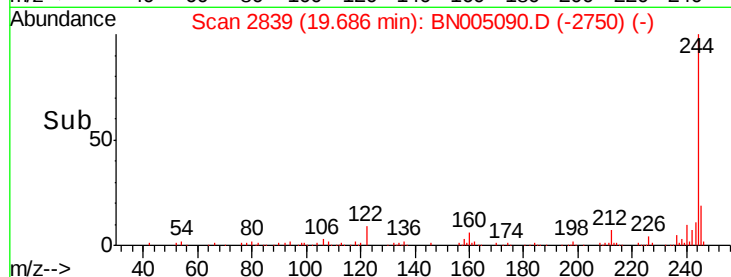
122 9.5 7.8 11.6



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: BN005090.D

Acq: 04 Apr 2019 12:13

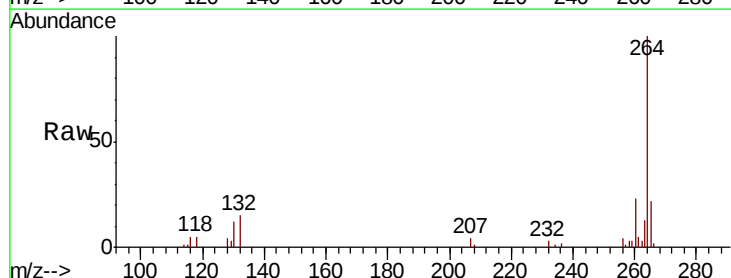
Tgt Ion:264 Resp: 46014

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 21.5 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

