

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040919\
 Data File : BN005117.D
 Acq On : 09 Apr 2019 17:51
 Operator : JU/SJ
 Sample : PB118726TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 10 01:16:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 27 05:27:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	7477	20.00	ng	-0.02
21) Naphthalene-d8	10.43	136	30365	20.00	ng	-0.03
39) Acenaphthene-d10	14.30	164	16917	20.00	ng	-0.03
64) Phenanthrene-d10	17.05	188	34357	20.00	ng	-0.02
76) Chrysene-d12	21.25	240	29849	20.00	ng	-0.02
87) Perylene-d12	23.49	264	32748	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	46794	108.20	ng	-0.02
7) Phenol-d6	6.83	99	59686	104.05	ng	-0.03
23) Nitrobenzene-d5	8.82	82	32317	64.38	ng	-0.03
42) 2,4,6-Tribromophenol	15.80	330	26621	97.57	ng	-0.02
45) 2-Fluorobiphenyl	12.92	172	92881	72.75	ng	-0.02
79) Terphenyl-d14	19.69	244	117651	75.88	ng	-0.02

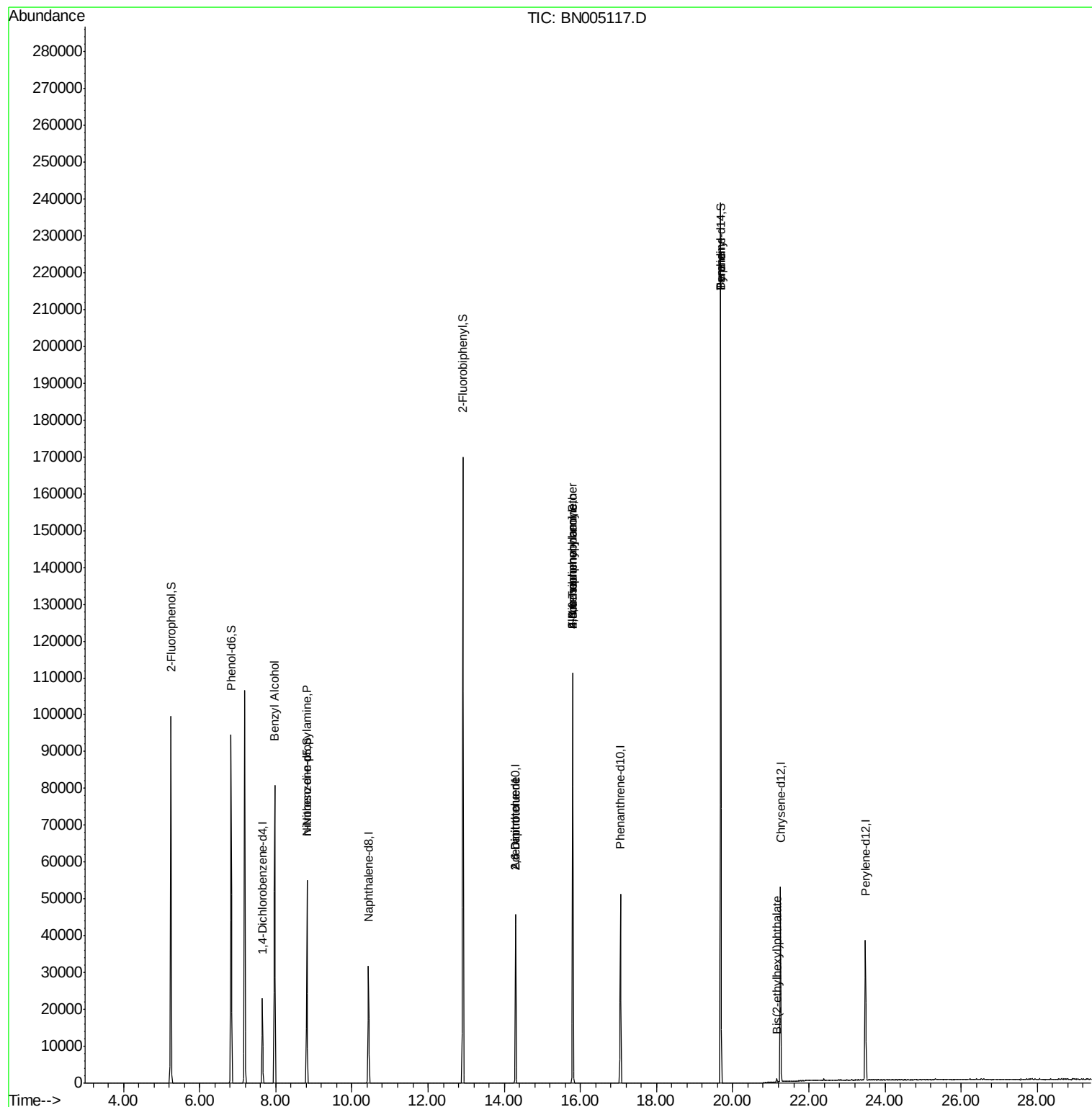
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.97	79	259	0.593	ng	# 24
19) n-Nitroso-di-n-propylamine	8.82	70	3963	10.539	ng	# 73
51) 2,6-Dinitrotoluene	14.30	165	2056	6.501	ng	# 29
57) 2,4-Dinitrotoluene	14.30	165	2056	4.784	ng	# 27
58) Fluorene	15.80	166	780	0.584	ng	# 94
66) n-Nitrosodiphenylamine	15.80	169	431	0.398	ng	# 24
67) 4-Bromophenyl-phenylether	15.80	248	1480	3.452	ng	# 1
77) Benzidine	19.69	184	1332	1.432	ng	# 66
78) Pyrene	19.69	202	109	0.055	ng	# 57
84) Bis(2-ethylhexyl)phthalate	21.16	149	884	0.789	ng	# 53

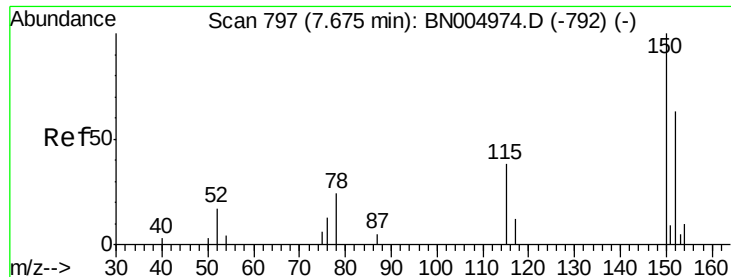
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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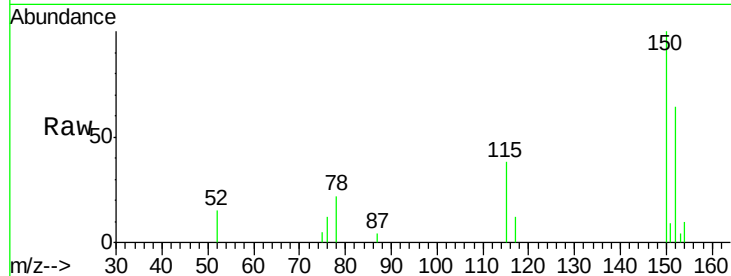


#1

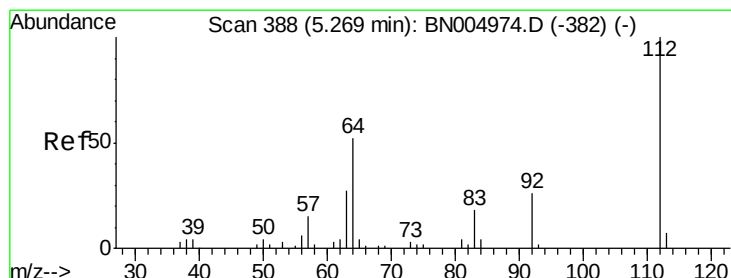
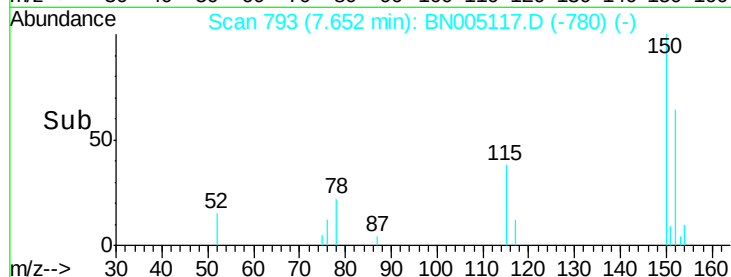
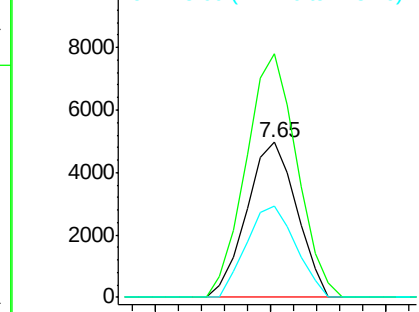
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.02 min
Lab File: BN005117.D
Acq: 09 Apr 2019 17:51

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 7477
Ion Ratio Lower Upper
152 100
150 156.8 126.9 190.3
115 58.8 47.8 71.6



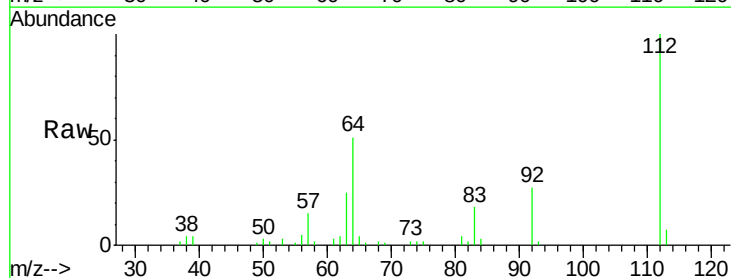
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



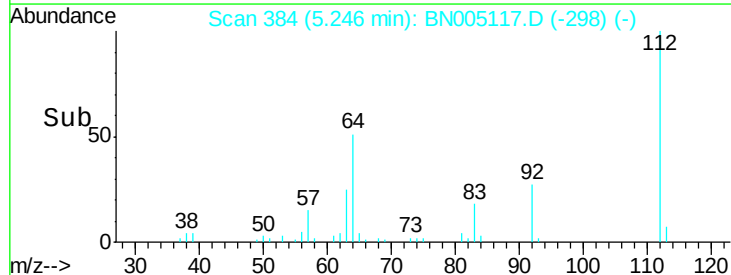
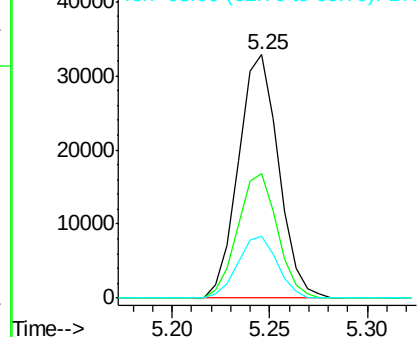
#5

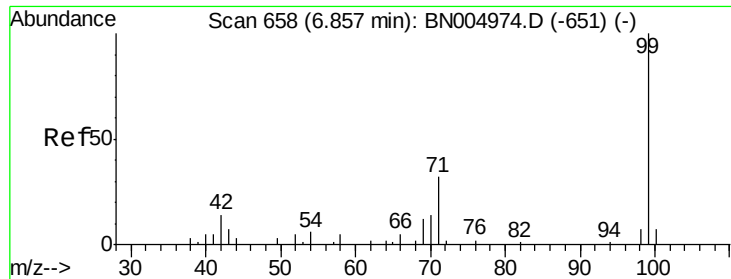
2-Fluorophenol
Concen: 108.201 ng
RT: 5.25 min Scan# 384
Delta R.T. -0.02 min
Lab File: BN005117.D
Acq: 09 Apr 2019 17:51

Tgt Ion:112 Resp: 46794
Ion Ratio Lower Upper
112 100
64 51.2 41.9 62.9
63 25.4 21.4 32.0



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: 104.054 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.03 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Instrument :

BNA_N

ClientSampled :

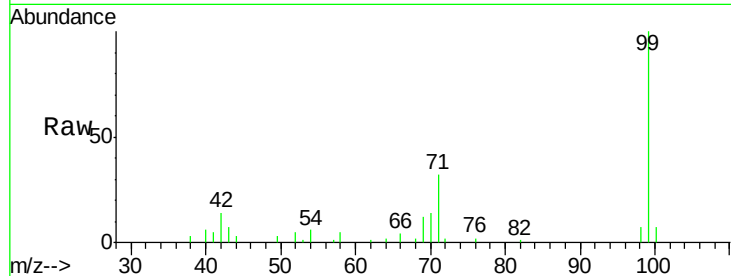
Tot Ion: 99 Resp: 59686

Ion Ratio Lower Upper

99 100

42 13.5 11.4 17.0

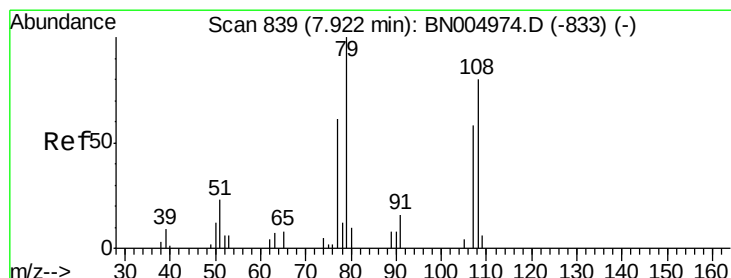
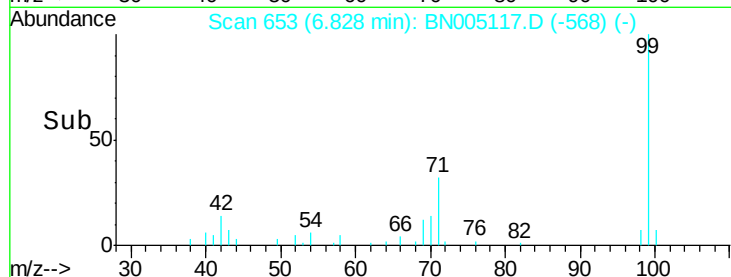
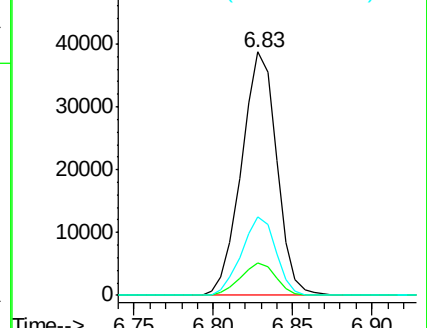
71 32.0 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BN004974.D (-651) (-)

Ion 42.00 (41.70 to 42.70): BN004974.D (-651) (-)

Ion 71.00 (70.70 to 71.70): BN004974.D (-651) (-)



#15

Benzyl Alcohol

Concen: 0.593 ng

RT: 7.97 min Scan# 847

Delta R.T. 0.05 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

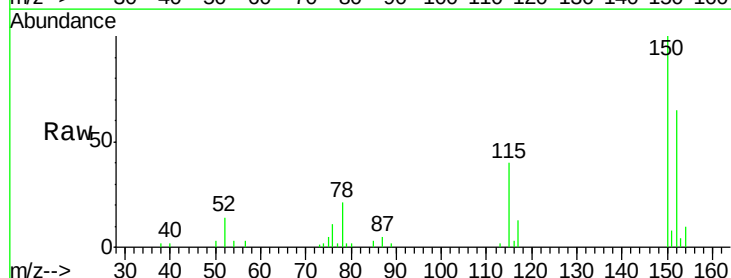
Tgt Ion: 79 Resp: 259

Ion Ratio Lower Upper

79 100

108 0.0 64.0 96.0#

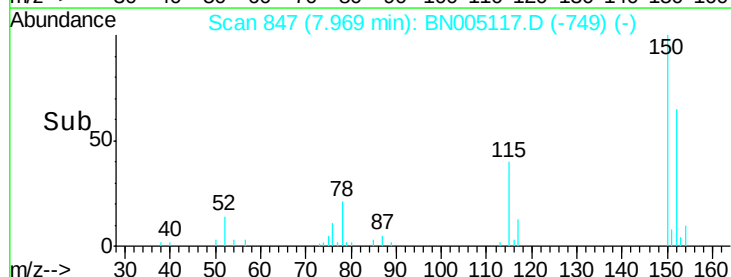
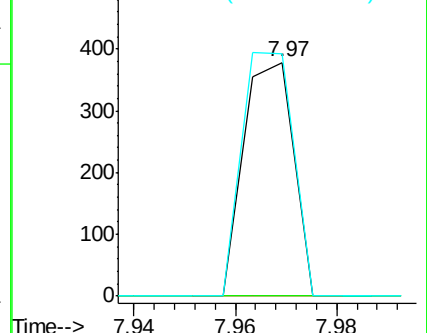
77 103.7 48.8 73.2#

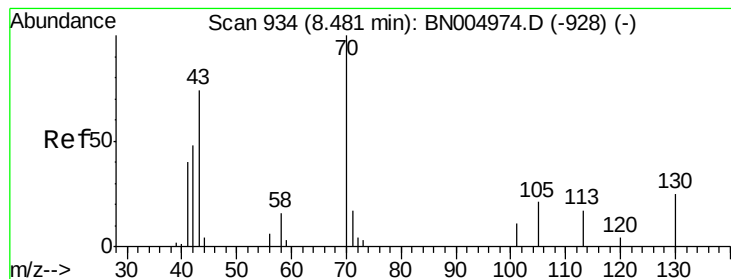


Abundance Ion 79.00 (78.70 to 79.70): BN004974.D (-833) (-)

Ion 108.00 (107.70 to 108.70): BN004974.D (-833) (-)

Ion 77.00 (76.70 to 77.70): BN004974.D (-833) (-)





#19

n-Nitroso-di-n-propylamine

Concen: 10.539 ng

RT: 8.82 min Scan# 991

Delta R.T. 0.34 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 3963

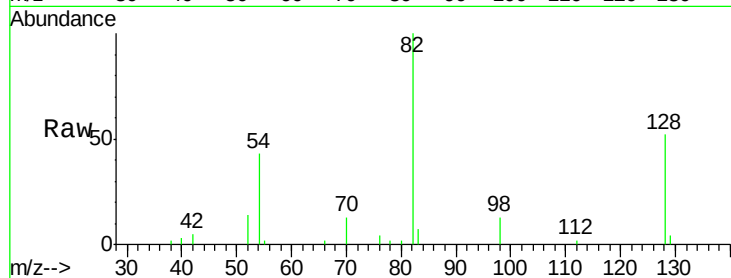
Ion Ratio Lower Upper

70 100

42 37.9 38.4 57.6#

101 0.0 8.8 13.2#

130 0.0 19.8 29.8#



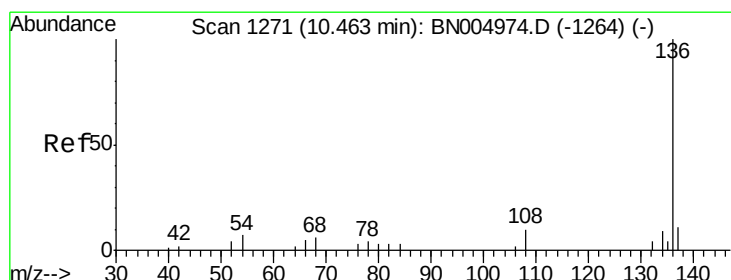
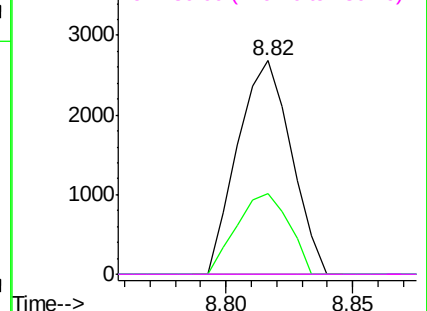
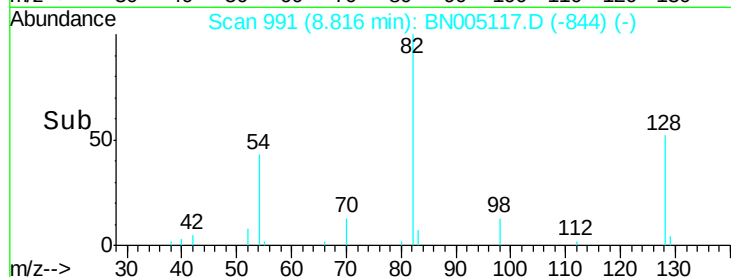
Abundance

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. -0.03 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Tgt Ion: 136 Resp: 30365

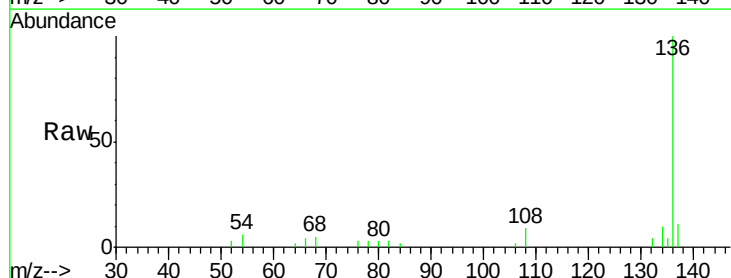
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.2 5.3 7.9

68 4.9 4.6 6.8



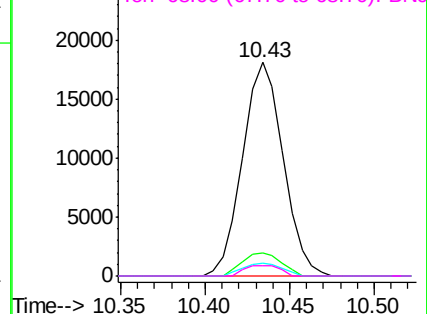
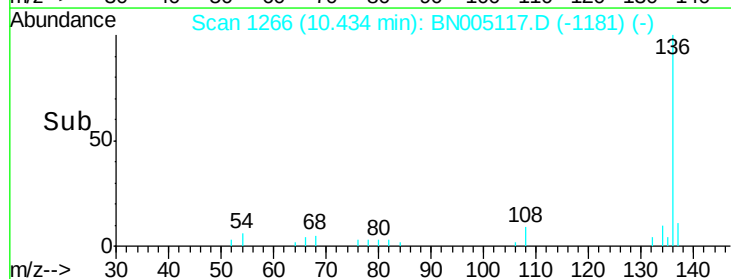
Abundance

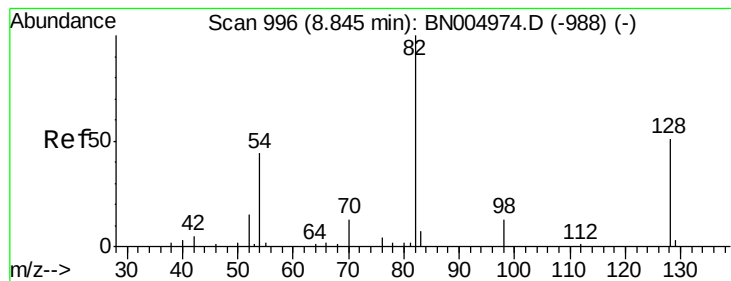
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0





#23

Nitrobenzene-d5

Concen: 64.380 ng

RT: 8.82 min Scan# 991

Delta R.T. -0.03 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Instrument :

BNA_N

ClientSampleId :

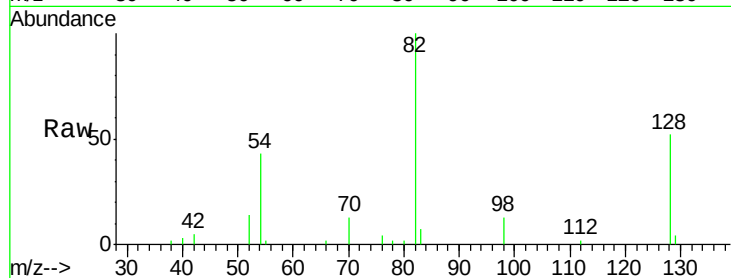
Tot Ion: 82 Resp: 32317

Ion Ratio Lower Upper

82 100

128 51.7 40.6 60.8

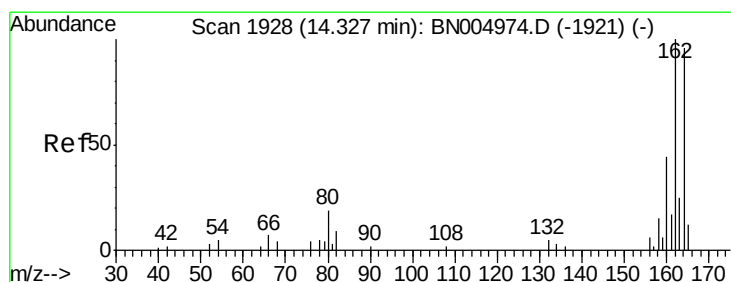
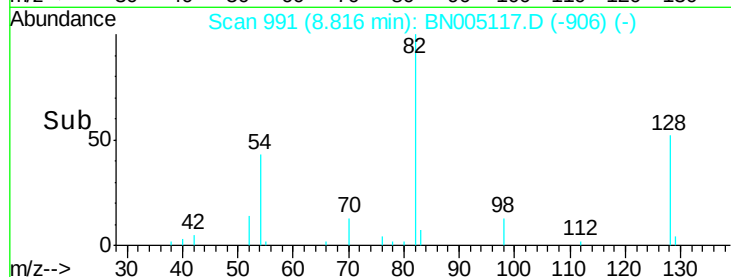
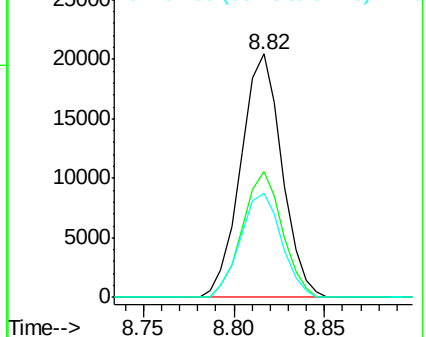
54 43.0 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BN004974.D (-988) (-)

Ion 128.00 (127.70 to 128.70): BN004974.D (-988) (-)

Ion 54.00 (53.70 to 54.70): BN004974.D (-988) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.30 min Scan# 1923

Delta R.T. -0.03 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

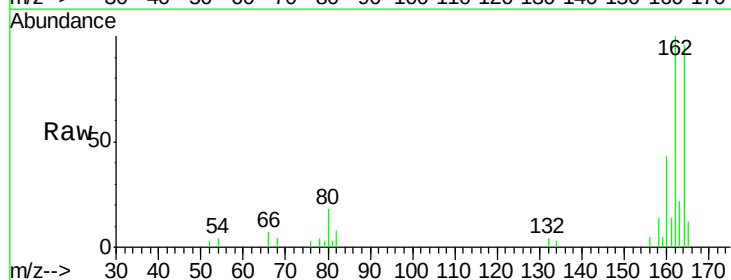
Tgt Ion: 164 Resp: 16917

Ion Ratio Lower Upper

164 100

162 103.7 83.4 125.0

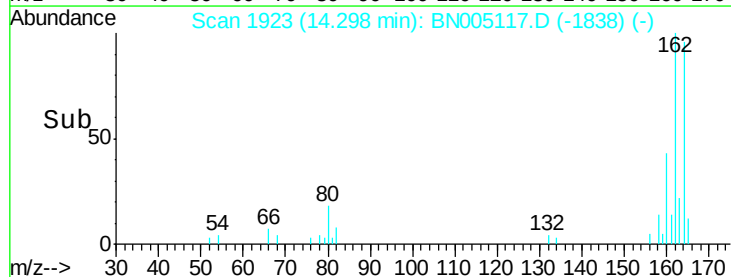
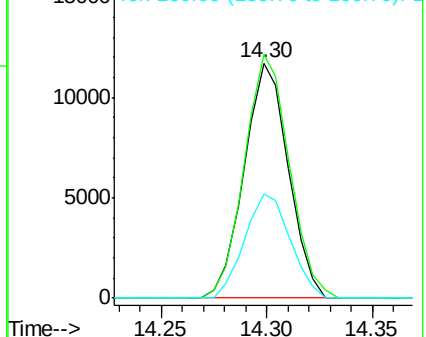
160 44.2 36.6 55.0

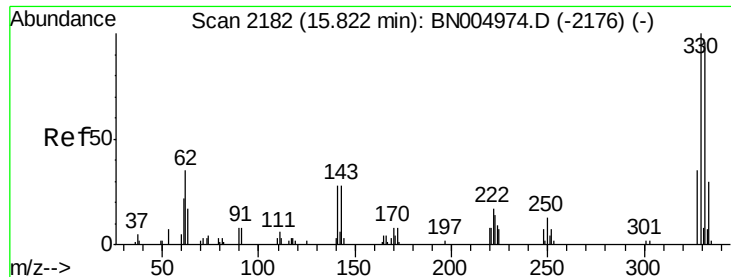


Abundance Ion 164.00 (163.70 to 164.70): BN004974.D (-1921) (-)

Ion 162.00 (161.70 to 162.70): BN004974.D (-1921) (-)

Ion 160.00 (159.70 to 160.70): BN004974.D (-1921) (-)

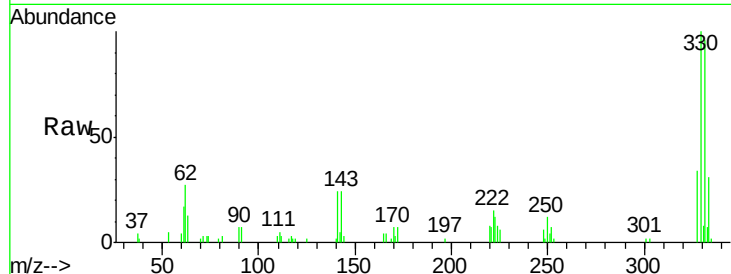




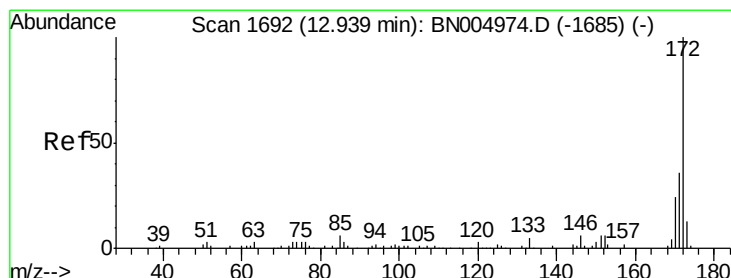
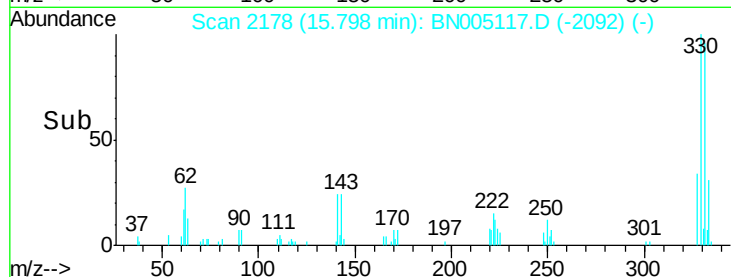
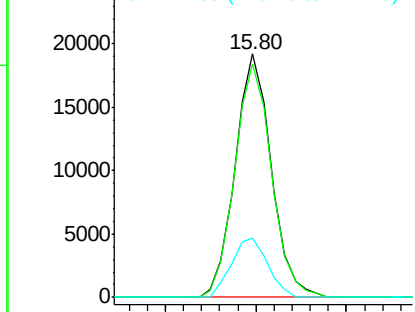
#42
 2,4,6-Tribromophenol
 Concen: 97.570 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.02 min
 Lab File: BN005117.D
 Acq: 09 Apr 2019 17:51

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 26621
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.4 116.0
 141 24.2 22.1 33.1

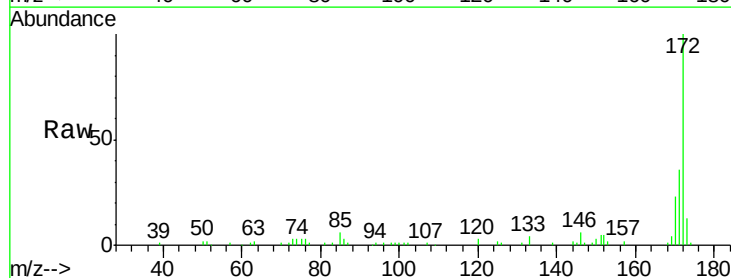


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

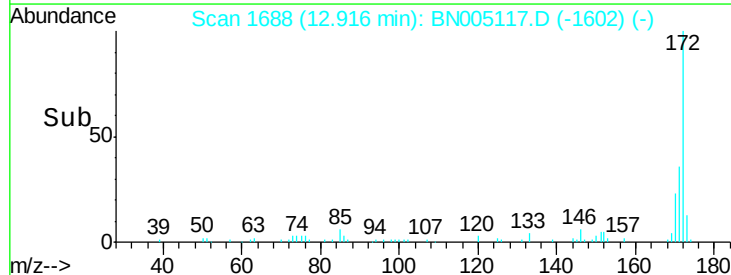
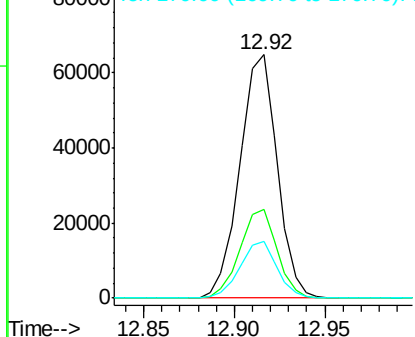


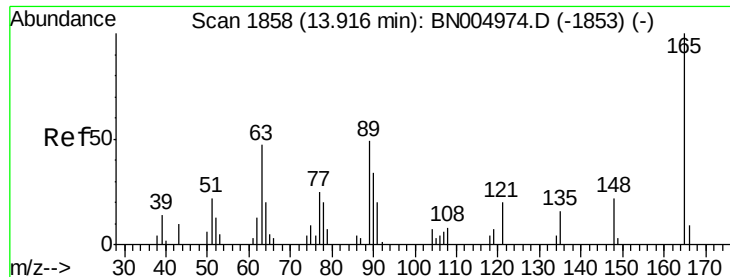
#45
 2-Fluorobiphenyl
 Concen: 72.755 ng
 RT: 12.92 min Scan# 1688
 Delta R.T. -0.02 min
 Lab File: BN005117.D
 Acq: 09 Apr 2019 17:51

Tgt Ion:172 Resp: 92881
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 42.8
 170 23.1 18.9 28.3



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

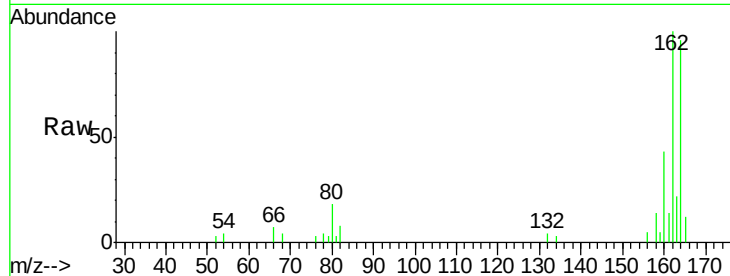




#51
 2,6-Dinitrotoluene
 Concen: 6.501 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. 0.38 min
 Lab File: BN005117.D
 Acq: 09 Apr 2019 17:51

Instrument :
 BNA_N
 ClientSampleId :

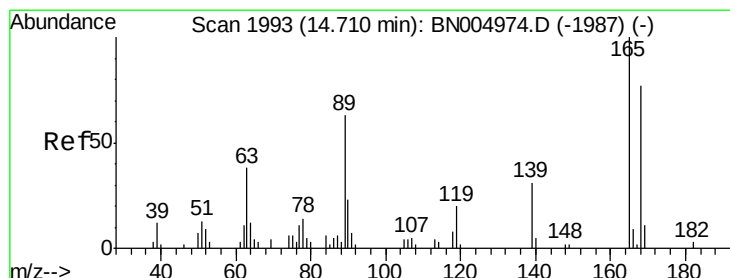
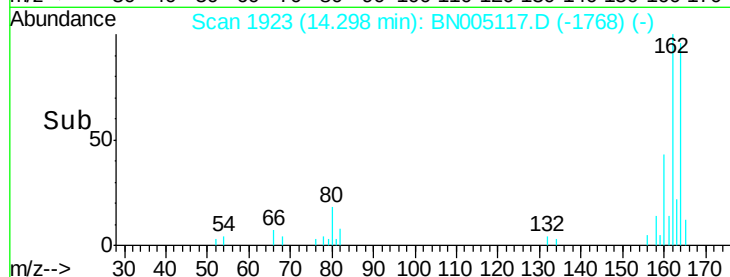
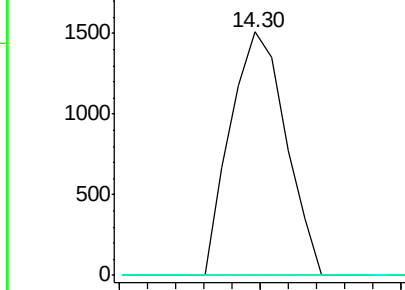
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	0.0	39.2	58.8#



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



#57
 2,4-Dinitrotoluene
 Concen: 4.784 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.41 min
 Lab File: BN005117.D
 Acq: 09 Apr 2019 17:51

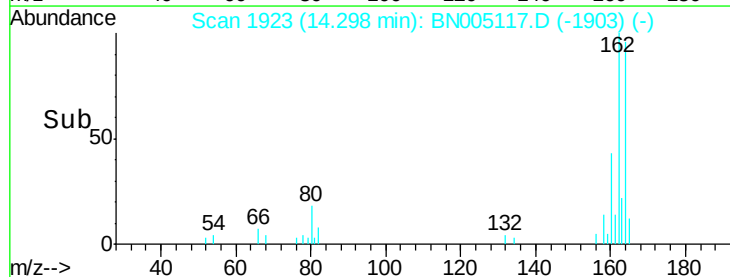
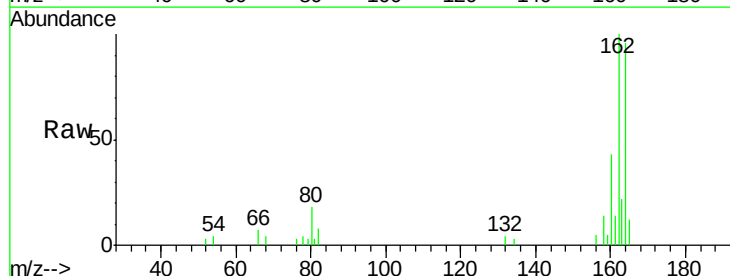
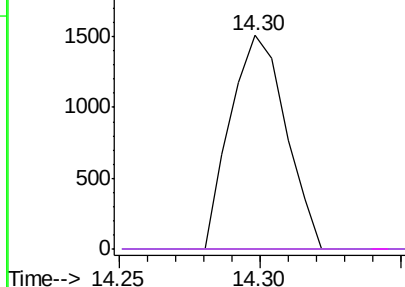
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.4	45.6#
89	0.0	50.7	76.1#
182	0.0	2.5	3.7#

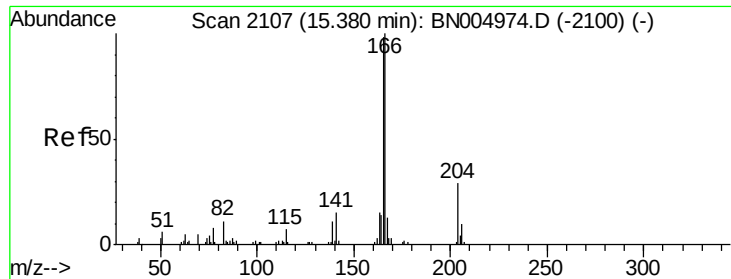
Abundance Ion 165.00 (164.70 to 165.70): E

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

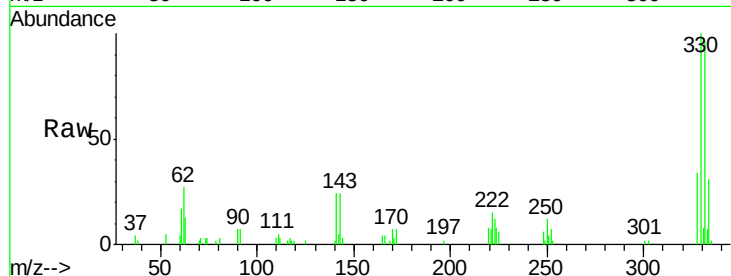




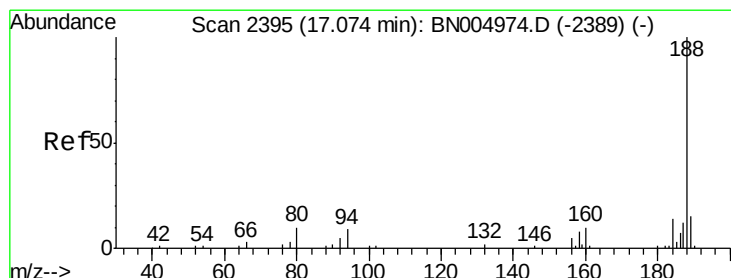
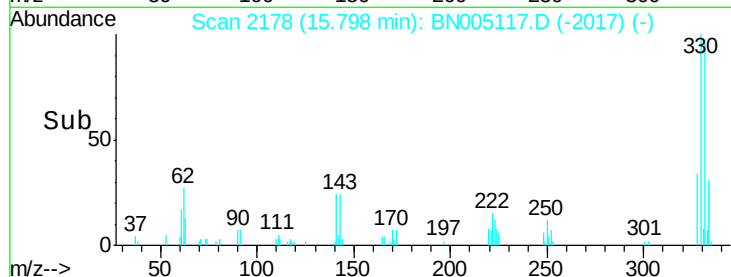
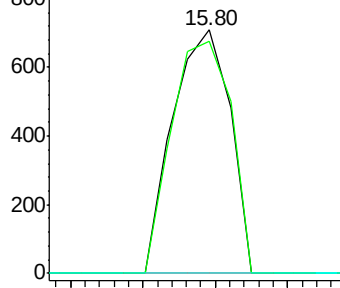
#58
 Fluorene
 Concen: 0.584 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. 0.42 min
 Lab File: BN005117.D
 Acq: 09 Apr 2019 17:51

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 780
 Ion Ratio Lower Upper
 166 100
 165 95.3 78.3 117.5
 167 0.0 10.6 15.8#

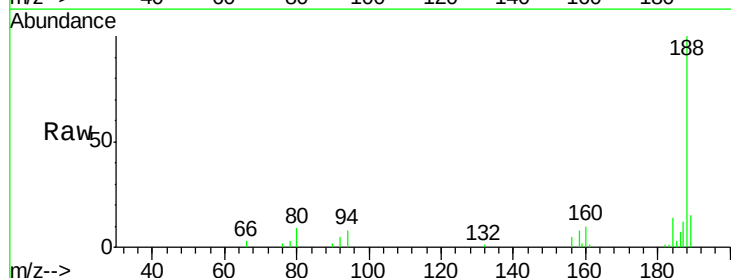


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

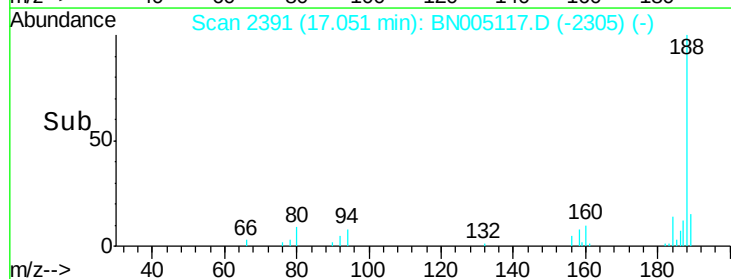
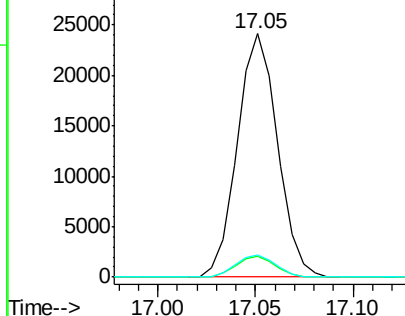


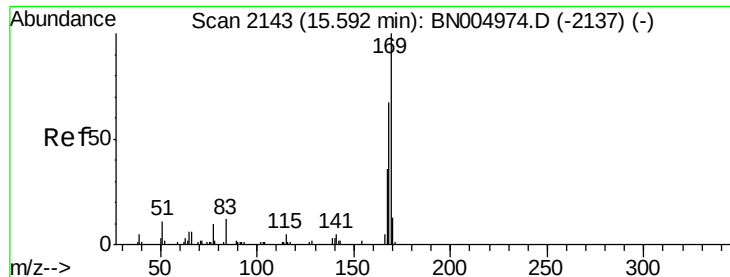
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2391
 Delta R.T. -0.02 min
 Lab File: BN005117.D
 Acq: 09 Apr 2019 17:51

Tgt Ion:188 Resp: 34357
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.2 10.8
 80 9.2 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

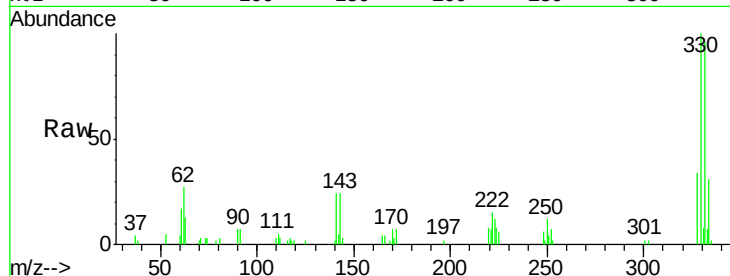




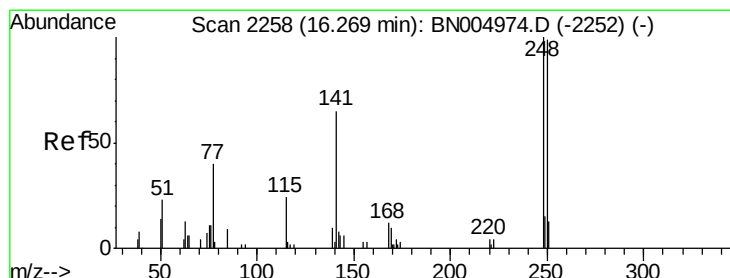
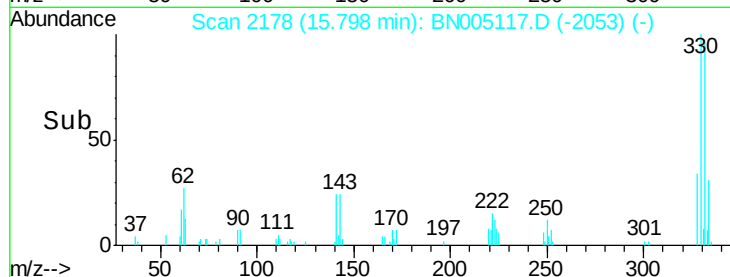
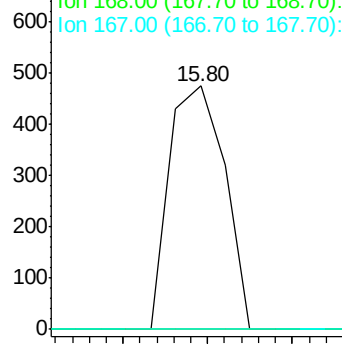
#66
 n-Nitrosodiphenylamine
 Concen: 0.398 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. 0.21 min
 Lab File: BN005117.D
 Acq: 09 Apr 2019 17:51

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
169	100		
168	0.0	53.4	80.2#
167	0.0	28.9	43.3#

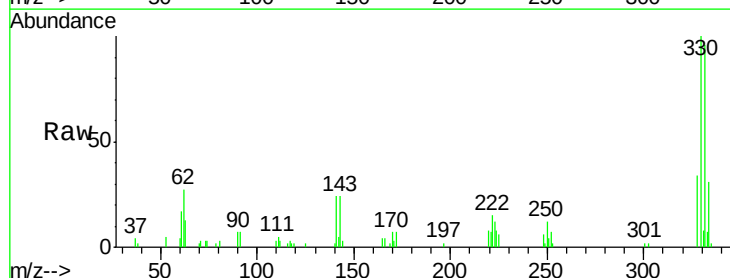


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

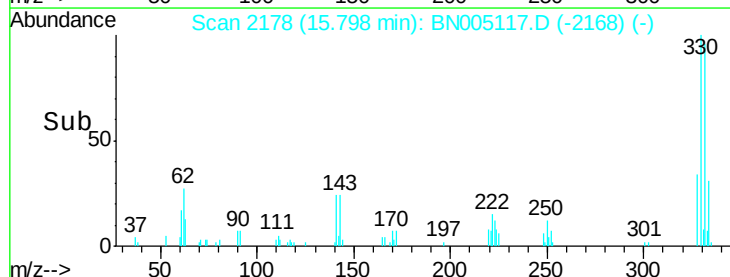
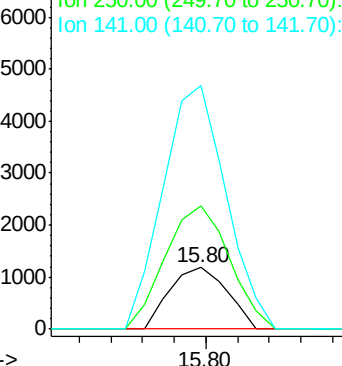


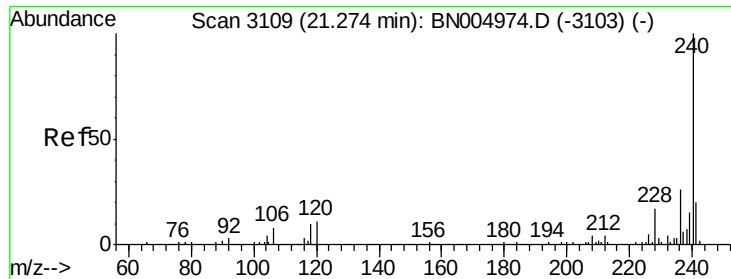
#67
 4-Bromophenyl-phenylether
 Concen: 3.452 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.47 min
 Lab File: BN005117.D
 Acq: 09 Apr 2019 17:51

Tgt Ion	Ratio	Lower	Upper
248	100		
250	200.2	79.4	119.2#
141	395.9	52.3	78.5#



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. -0.02 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Instrument :

BNA_N

ClientSampleId :

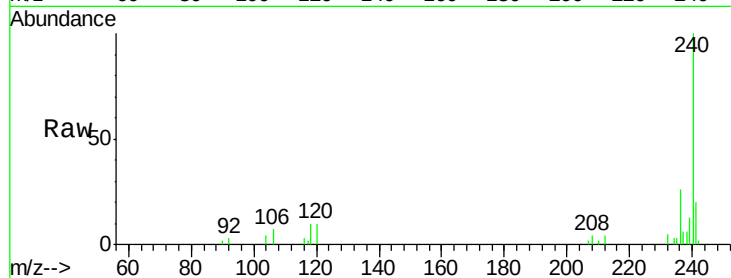
Tot Ion:240 Resp: 29849

Ion Ratio Lower Upper

240 100

120 10.5 8.5 12.7

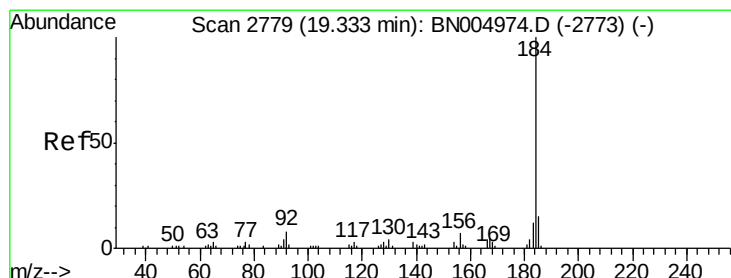
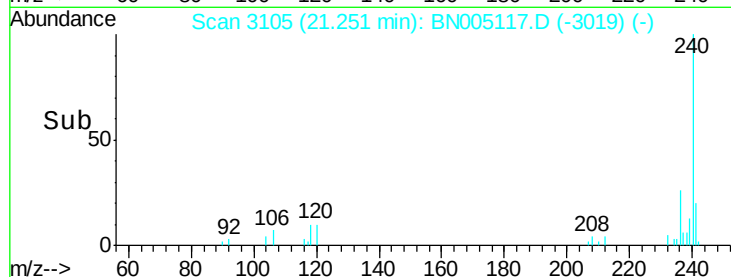
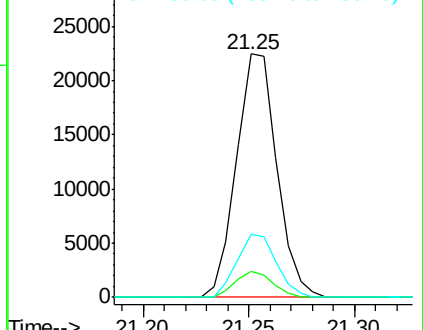
236 25.8 21.2 31.8



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



#77

Benzidine

Concen: 1.432 ng

RT: 19.69 min Scan# 2839

Delta R.T. 0.35 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

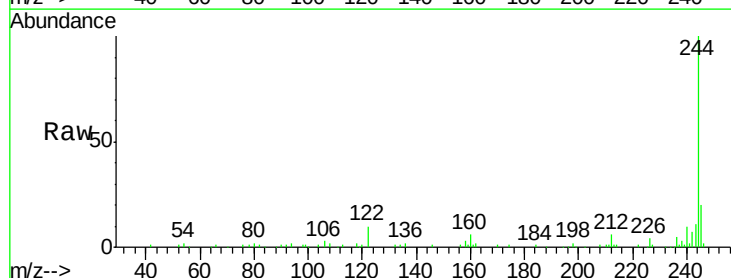
Tgt Ion:184 Resp: 1332

Ion Ratio Lower Upper

184 100

185 0.0 11.8 17.8#

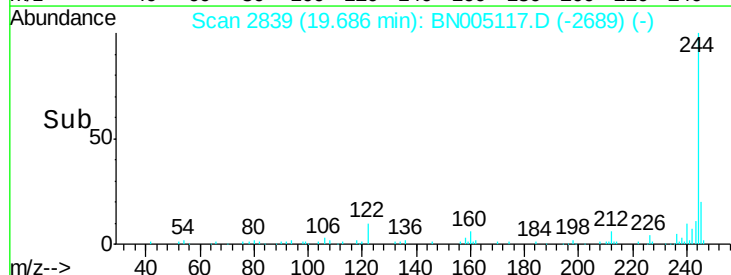
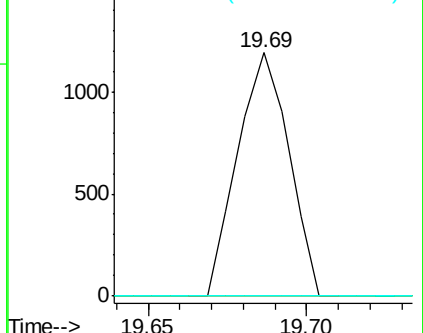
183 0.0 9.9 14.9#

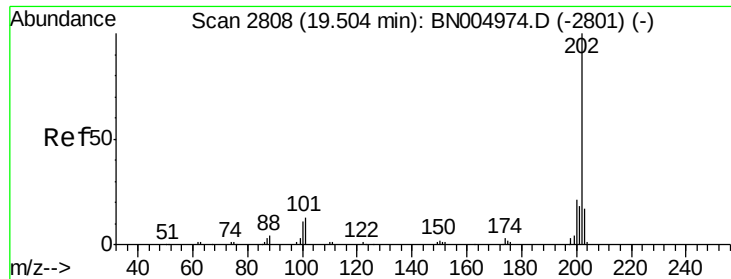


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 0.055 ng

RT: 19.69 min Scan# 2839

Delta R.T. 0.18 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Instrument :

BNA_N

ClientSampleId :

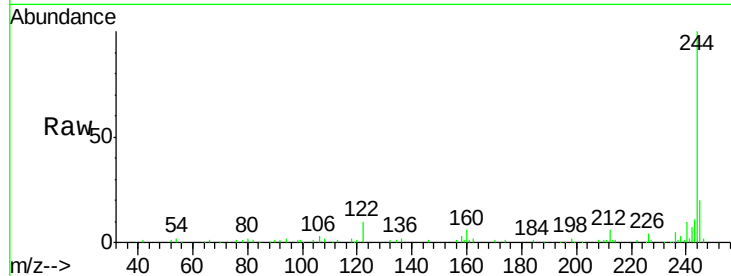
Tot Ion:202 Resp: 109

Ion Ratio Lower Upper

202 100

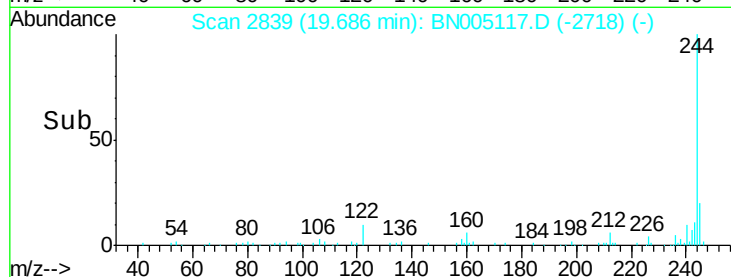
200 0.0 17.0 25.4#

203 0.0 14.0 21.0#

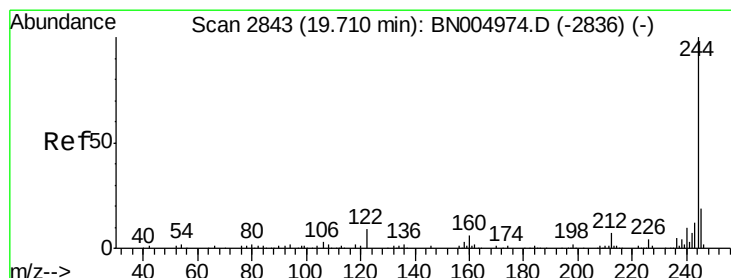


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

19.69



Time-->



#79

Terphenyl-d14

Concen: 75.884 ng

RT: 19.69 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

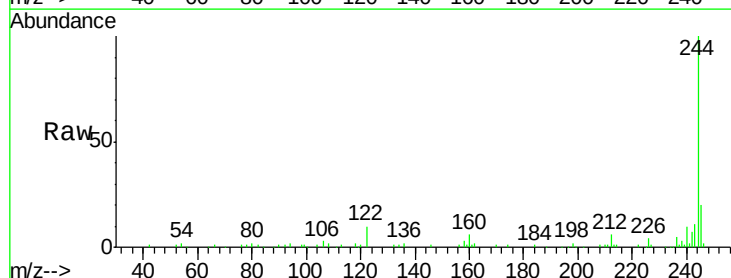
Tgt Ion:244 Resp: 117651

Ion Ratio Lower Upper

244 100

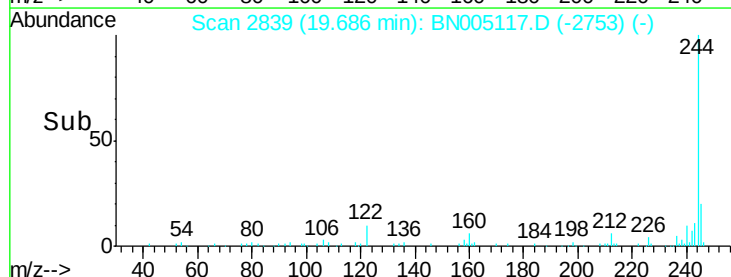
212 6.5 5.4 8.0

122 9.6 7.4 11.2

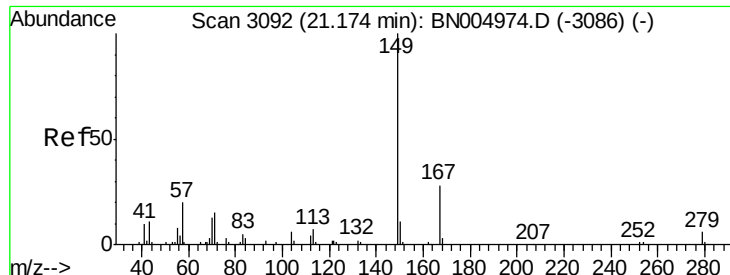


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

19.69



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.789 ng

RT: 21.16 min Scan# 3089

Delta R.T. -0.02 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Instrument :

BNA_N

ClientSampleId :

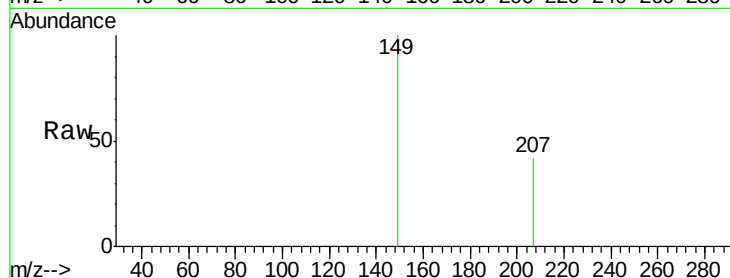
Tot Ion:149 Resp: 884

Ion Ratio Lower Upper

149 100

167 0.0 22.5 33.7#

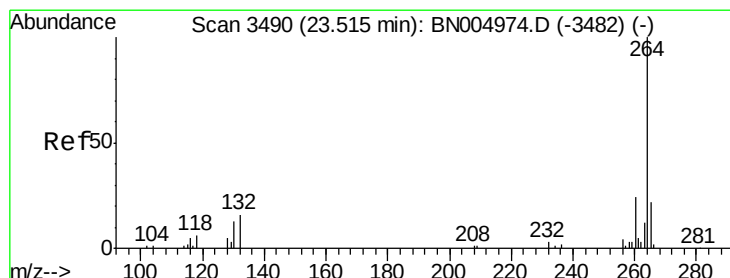
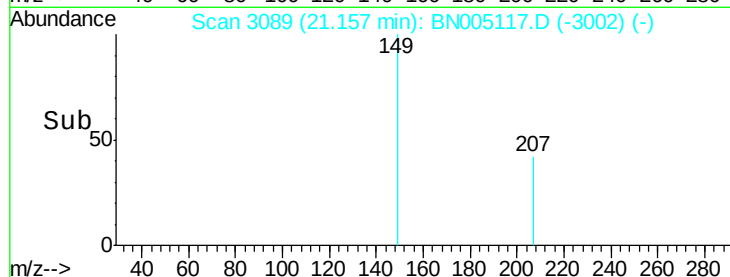
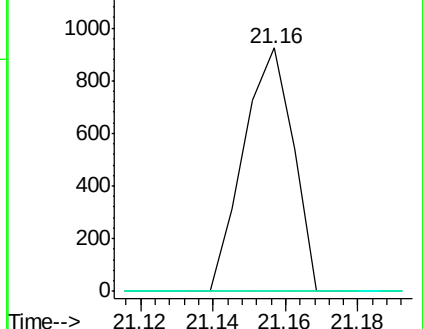
279 0.0 4.5 6.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.49 min Scan# 3485

Delta R.T. -0.03 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

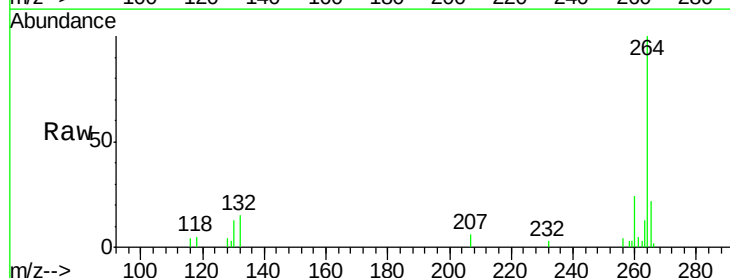
Tgt Ion:264 Resp: 32748

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 22.1 17.2 25.8



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

